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ABSTRACT

The eighth annual study of occupational opportunities in Nebraska is based on a 5 percent random sample of employers in each of the six Technical Community College Areas in the State. A computerized straight line projection technique was used to project total employment, need over the next 12 months, reason for need, and need over the next two years. Table 1 summarizes total projected employment and future need by occupational category. Tables 2 through 11 provide total projected employment figures at the State level and list future need and appropriate Vocational Instructional Training Programs for each occupation within the 10 occupational categories for each of the Technical Community College Areas. Tables 12 through 21 provide total projected employment figures for the State and projected need from expansion or turnover over the next 12 months for the broad occupational divisions within the 10 occupational categories for each of the Technical Community College Areas. Tables 22 through 29 project employment figures over the next 12 months and the next two years for the seven major instructional areas of vocational education. Table 30 similarly projects employment figures for all other occupations not covered by Vocational Instructional Training Programs or Dictionary of Occupational Title numbers. (JR)

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OCCUPATIONAL OPPORTUNITIES IN NEBRASKA

1975 REPORT

NEBRASKA RESEARCH COORDINATING UNIT
FOR VOCATIONAL EDUCATION

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From

STATE-WIDE COMPUTERIZED MODEL FOR DETERMINING OCCUPATIONAL OPPORTUNITIES IN NEBRASKA

June, 1975

By

NEBRASKA RESEARCH COORDINATING UNIT
FOR VOCATIONAL EDUCATION
University of Nebraska
In Cooperation With
State Department of Education
Division of Vocation Education

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The Nebraska State Department of Education, Division of Vocational Education
The Department of Labor, Division of Employment
The Nebraska State Advisory Council for Vocational Education

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REPORT OF STATE-WIDE MODEL FOR DETERMINING OCCUPATIONAL OPPORTUNITIES IN NEBRASKA

SUMMARY

INTRODUCTION

This was the eighth annual study to identify occupational opportunities in the state of Nebraska. The reflection of occupational changes makes the study useable by a larger segment of educational planners throughout the state. The data were gathered by survey workers from the employer as in previous years. The five percent sample was generated once for each of the six Technical Community College Areas to insure a more representative sample by area.

The emphasis of this study was to determine manpower needs and trends through asking employers to list the number of persons employed, job duties of persons employed (job description), and to project future needs according to these job descriptions.

The data supplied by employers as job descriptions were coded by job title and number using the *Dictionary of Occupational Titles*[1] and related corresponding vocational instructional training program and number according to *Vocational Education and Occupations*.[2] Both documents are necessary references when using the *1975 Occupational Opportunities Report* as a program planning base. Use of the *Dictionary of Occupational Titles* as the primary coding system allowed for identification of many professional level occupations that did not have training programs listed under vocational education. This facet of the study should promote an overall perspective of occupations in Nebraska.

DELIMITATIONS

Fluctuations of employer listings within the master file were a delimiting factor to the study. Since employers move in and out of business throughout the state, there is a continuous change in the total number within the employer master file. Partial up-dating was possible through the removal of extinct businesses.

No allowance was made for the seasonal labor "peaks" and "lows" common in work areas. All part-time and seasonal employees were equated in terms of full-time equivalents.

The fluctuations caused by small sampling accounts for variations in certain vocational instructional training areas from one year to another. This variation was evident when comparing all previous yearly studies.

A delimitation common to all the studies was that the data has been obtained exclusively from employers. Employers tend to over- or under-estimate, depending on labor and economic trends.

Self-employed persons were not accounted for within this study with the exception of self-employed farmers. This number was predicted by using the number of identified farm units[3] and the projected need was derived from a study of estimated farmer replacement opportunities.[4]

No attempt has been made within the study to align Vocational Instructional Training Programs with actual training programs offered within the state. The training programs listed were the programs designated for identified job titles by the U.S. Office of Education Classification System identified in *Vocational Education and Occupations*.

Each year additional job titles were added to the already identified list of titles from previous years. Since many job titles require similar training programs these job titles have been combined and placed into Occupational Groups with like programs for the *1975 Report*.

PROCEDURE

The original master list was compiled from the following sources: (1) a listing of firms employing one or more persons; (2) a listing of persons employing domestic help; (3) a listing of farmers and ranchers employing hired labor; (4) a listing of out-of-state firms with in-state locations; (5) a listing of federal, state, and local tax exempt agencies; and (6) the State Business Master file.

A yearly update of the master list was done by deleting firms no longer in existence and adding new firms from the ES202 listing provided by the Division of Employment of the Nebraska Department of Labor. Additional firms were dropped from the master list each year when identified by interviewers as "dead" firms.

The updated master list was sorted by postal zip codes into the six Technical Community College Areas and assigned a consecutive number. A five percent random sample was generated for each of the six areas (Appendix A). Each employer was interviewed to determine the number of persons employed, job duties (job description) of each employee, number of persons

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[1]U.S. Department of Labor, *Dictionary of Occupational Titles* (Vol. 1, Third Edition), (Washington: U.S. Government Printing Office, 1965).

[2]U.S. Office of Education, *Vocational Education and Occupations* OE-80061, (Washington: U.S. Government Printing Office, 1969).

[3]Nebraska Department of Agriculture, *Nebraska Agricultural Statistics*, Annual Report 1973, Preliminary 1974, (Lincoln: State-Federal Division of Agricultural Statistics, June, 1975).

[4]Douglas Generaux, *Annual Estimated Replacement Farmer Opportunities in Nebraska*, Agricultural Education Department Report No. 3, (Lincoln: University of Nebraska, March, 1967), p. 6 (Mimeographed).

needed for the next twelve months, reason for need (expansion or turnover) and persons needed the following two years. Data supplied by employers as job descriptions were coded by job title and number using the *Dictionary of Occupational Titles*. Vocational Instructional Training Programs for D.O.T. titles were identified through Part II of the U.S. Office of Education publication, *Vocational Education and Occupations*.

A computerized straight line projection technique was used to project: total employed, need next twelve months, reason for need, and need for the following two years.

EXPLANATION OF TABLES

Table 1, "Summary by Occupational Category," lists the total projected employment and need as classified by the *Dictionary of Occupational Titles*. Included in Table 1 is a breakdown of Occupational Categories by percent of the total employment and future need. Tables 2 through 11, Occupational Divisions and Groups, show projected employment and future need for the State and by Technical Community College Area. These Tables show the Vocational Instructional Training Programs included in each Occupational Group as listed in *Vocational Education and Occupations*. Projected employment data for job titles with like programs are combined into Occupational Groups. An asterisk appears in the Vocational Instructional Training Program column when there is no vocational program listed for those job titles included in a specific Occupational Group.

Tables 12 through 21 reflect future employment opportunities determined from employer interview and reason for need as related to *expansion* and *turnover*. The Occupational Categories are grouped in Occupational Divisions showing need for the State and by Technical Community College Area. Projected need for the twelve month period and the following two years is based on employer estimates. The State total two year need is reflected in Tables 2 through 11 by Occupational Groups with like Vocational Instructional Training Programs.

All data, Tables 1 through 30, are composite (average) figures from the 1973, 1974, and 1975 employer interviews. Combining the yearly figures minimizes fluctuations found in single year sample data. The procedure allows data application to a larger group of job titles and program classifications. An additional 329 job titles were added from the 1975 employer interviews.

Subtotals are listed following each Occupational Division and totals are listed for each Occupational Category.

SUMMARY BY OCCUPATIONAL CATEGORIES

Data presented in Table 1 indicated projected employment by Occupational Categories as compiled from the Occupational Groups and Divisions (Tables 2 through 11). The following breakdown lists totals by Occupational Categories in order of size for the *1975 Report*.

Clerical and Sales Occupations, the *largest* Occupational Category with 177,927 persons now employed, represents 26.8 percent of the total projected present employment. The Clerical and Sales Occupations encompassed 341 job titles (combined for the 3 years), 7 different Vocational Technical Areas, 312 job titles with Vocational Instructional Training Programs identified in Part II of the *Vocational Education and Occupations* document, and 29 job titles with no identified Vocational Instructional Training Programs.

Professional, Technical, and Managerial Occupations, the *second* largest Occupational Category with 125,421 persons now employed, represents 18.9 percent of the total projected present employment. This area of 408 job titles involves 7 different Vocational Technical Areas, 196 job titles with Vocational Instructional Training Programs, and 212 job titles with no identified Vocational Instructional Training Programs.

Service Occupations, the *third* largest Occupational Category with 86,993 persons now employed, represent 13.1 percent of the total projected present employment. This area of 151 job titles involves 5 Vocational Technical Areas, 117 job titles with Vocational Instructional Training Programs, and 34 job titles with no identified Vocational Instructional Training Programs.

Farming, Fishery, Forestry and Related Occupations, the *fourth* largest Occupational Category with 86,319 persons now employed, represents 13.0 percent of the total projected present employment. This area of 72 job titles involves 1 Vocational Technical Area, 61 job titles with Vocational Instructional Training Programs, and 11 job titles with no Vocational Instructional Training Programs.

Structural Work Occupations, the *fifth* largest Occupational Category with 62,060 persons now employed, represents 9.4 percent of the total projected present employment. This area of 189 job titles involves 2 Vocational Technical Areas, 140 job titles with Vocational Instructional Training Programs, and 49 job titles with no Vocational Instructional Training Programs.

Miscellaneous Occupations, the *sixth* largest Occupational Category with 52,207 persons now employed, represents 7.9 percent of the total projected present employment. This area of 136 job titles involves 4 Vocational Technical Areas, 67 job titles with Vocational Instructional Training Programs, and 69 job titles with no Vocational Instructional Training Programs.

Machine Trades Occupations, the *seventh* largest Occupational Category with 37,400 persons now employed, represents 5.6 percent of the total projected present employment. This area of 170 job titles involves 4 Vocational Technical Areas, 122 job titles with Vocational Instructional Training Programs, and 48 job titles with no Vocational Instructional Training Programs.

Processing Occupations, the *eighth* largest Occupational Category with 19,047 now employed, represents 2.9 percent of the total projected present employment. This area of 103 job titles involves 2 Vocational Technical Areas, 38 job titles with Vocational Instructional Training Programs, and 65 job titles with no Vocational Instructional Training Programs.

Bench Work Occupations, the *ninth* largest Occupational Category with 13,547 Persons now employed, represents 2.1 percent of the total projected present employment. This area of 109 job titles involves 4

Vocational Technical Areas, 65 job titles with Vocational Instructional Training Programs, and 44 job titles with no Vocational Instructional Training Programs.

Occupations with no D.O.T. Numbers, the *tenth* largest Occupational Category with 1,973 persons now employed, represents 0.3 percent of the total projected present employment. This area is composed of 8 job titles with no Vocational Technical Areas nor Vocational Instructional Training Programs.

TABLE 1
SUMMARY BY OCCUPATIONAL CATEGORIES

OCCUPATIONAL CATEGORIES	Projected Employment		Projected Future Needs			
			Next 12 Months		Following 2 Years	
	Number	Percentage of Total	Number	Percentage of Total	Number	Percentage of Total
Professional, Technical, and Managerial Occupations	125,421	18.9	12,782	10.9	18,058	12.6
Clerical and Sales Occupations	177,927	26.8	28,438	24.3	28,920	20.2
Service Occupations	86,993	13.1	22,546	19.3	31,719	22.2
Farming, Fishing, Forestry, and Related Occupations	86,319[a]	13.0	9,409[b]	8.1	9,029[b]	6.3
Processing Occupations	19,047	2.9	4,339	3.7	6,148	4.3
Machine Trades Occupations	37,400	5.6	6,640	5.7	8,213	5.7
Bench Work Occupations	13,547	2.1	2,620	2.2	3,967	2.8
Structural Work Occupations	62,060	9.4	14,765	12.6	17,111	12.0
Miscellaneous Occupations	52,207	7.9	14,966	12.8	19,641	13.7
Occupations with no DOT Number	1,973	.3	493	.4	407	.2
Total	662,894		116,998		143,213	

[a]Includes self-employed farmers, Nebraska Department of Agriculture, *Nebraska Agricultural Statistics Annual Report 1973, Preliminary 1974* (Lincoln: State-Federal Division of Agricultural Statistics, June, 1975).

[b]Douglas Generaux, *Annual Estimated Replacement Farmer Opportunities in Nebraska*, Agricultural Education Department Report No. 3, (Lincoln: University of Nebraska, March, 1967), p. 6 (Mimeographed).

TABLE 2
PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number / Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Architecture and Engineering																
001 Architectural	840	7	0	–	–	33	7	20	0	133	7	646	53	13	•	
	713	13	7	7	0	27	0	40	7	67	0	560	80	53	17.13	Drafting
003 Electrical Engineering	721	13	0	20	0	7	0	47	0	348	33	286	0	713	•	
	186	–	–	7	0	–	–	–	–	46	0	133	0	240	17.13	Drafting
	67	–	–	–	–	13	0	0	7	27	0	27	7	0	16.0107	Electrical Technology
	66	6	7	7	7	–	–	–	–	53	7	–	–	20	16.0108	Electronic Technology
	54	–	–	–	–	–	–	–	–	47	20	7	0	20	16.0112	Instrumentation Tech.
005 Civil Engineering	1,653	33	0	20	0	–	–	20	0	600	93	980	113	626	•	
	1,158	54	27	53	7	–	–	26	0	439	80	586	127	500	17.13	Drafting
007 Mechanical Engineering	1,200	–	–	–	–	–	–	33	0	167	0	1,000	20	753	•	
	541	–	–	–	–	–	–	20	0	300	20	221	107	240	16.0113	Mehcanical Technology
	621	–	–	–	–	7	6	7	0	107	7	500	20	247	17.13	Drafting
008 Chemical Engineering	67	–	–	–	–	–	–	–	–	7	0	60	0	0	•	
010 Mining and Petroleum Engineering	207	7	0	–	–	–	–	–	–	–	–	200	0	0	•	
	607	7	0	–	–	–	–	–	–	–	–	600	100	133	16.0116	Petroleum Technology
011 Metallurgy & Metallurgical Engineering	7	–	–	–	–	–	–	–	–	–	–	7	0	0	•	
012 Industrial Engineering	128	–	–	–	–	40	0	7	0	67	0	14	0	0	•	
	174	–	–	7	0	–	–	–	–	100	13	67	7	7	14.0204	Systems Analysts
	60	–	–	–	–	–	–	–	–	53	13	7	0	27	16.0111	Industrial Technology
017 Drafting & Related Work	7	–	–	–	–	–	–	–	–	–	–	7	0	0	•	
	60	–	–	13	0	–	–	7	66	33	0	7	0	0	17.13	Drafting
018 Surveying & Related Work	397	53	26	19	13	–	–	33	0	206	80	86	0	94	•	
019 Architecture & Engineering Other	7	–	–	–	–	–	–	7	0	–	–	–	–	0	16.0106	Structural Technology
	219	–	–	–	–	–	–	26	7	7	0	186	66	47	16.0113	Mechanical Technology
	13	–	–	–	–	–	–	–	–	13	0	–	–	0	16.0499	Office Related Tech.
Subtotal	9,773	193	67	153	27	127	13	293	87	2,820	373	6,187	700	3,733		
Occupations in Mathematics and Physical Sciences																
020 Mathematics	280	–	–	–	–	–	–	–	–	147	27	133	0	26	•	
	7	–	–	–	–	–	–	–	–	7	0	–	–	0	14.02	Business Data Processing Systems Occupations
	467	–	–	–	–	7	7	40	7	213	20	207	0	20	14.0203	Programming
022 Chemistry	127	–	–	7	0	–	–	–	–	–	–	120	0	6	•	
	227	–	–	–	–	–	–	–	–	–	–	227	0	0	16.0105	Chemical Technology
023 Physics	7	–	–	–	–	–	–	–	–	–	–	7	0	0	•	
024 Geology	73	–	–	–	–	–	–	–	–	53	0	20	13	7	•	
025 Meteorology	7	7	7	–	–	–	–	–	–	–	–	–	–	0	•	
	33	33	6	–	–	–	–	–	–	–	–	–	–	7	16.0699	Miscellaneous Technical Education, Other
029 Mathematics & Physical Sciences, Other	106	–	–	–	–	73	60	–	–	–	–	33	0	60	16.0105	Chemical Technology
	73	–	–	–	–	–	–	20	0	40	0	13	0	7	16.0203	Food Processing Tech.
Subtotal	1,407	40	13	7	0	80	67	60	7	460	47	760	13	133		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number — Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Life Sciences																
040 Agricultural Sciences	139	—	—	—	—	33	0	13	0	53	0	40	0	0	•	
	307	80	0	7	0	67	20	53	0	73	0	27	0	26	01.0603	Soil
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	01.04	Agricultural Products
041 Biological Sciences	348	—	—	7	0	—	—	—	—	194	0	147	7	7	•	
045 Psychology	572	47	0	19	0	0	7	107	0	300	20	99	13	0	•	
Subtotal	1,373	127	0	33	0	100	27	173	0	620	20	320	20	33		
Occupations in Social Sciences																
060 Economics	361	—	—	7	0	7	0	—	—	340	47	7	0	13	•	
	20	—	—	—	—	—	—	—	—	—	—	20	7	14	04.01	Advertising Services
064 Sociology	7	—	—	—	—	—	—	—	—	7	0	—	—	0	•	
Subtotal	388	—	—	7	0	7	0	—	—	347	47	27	7	27		
Occupations in Medicine and Health																
070 Medicine and Surgery	3,142	74	0	266	20	227	13	306	27	640	61	1,627	333	706	•	
071 Osteopathy	7	—	—	7	0	—	—	—	—	—	—	—	—	0	•	
072 Dentistry	1,307	27	7	133	0	87	7	207	0	326	0	527	40	53	•	
073 Veterinary Medicine & Surgery	592	113	0	40	7	73	0	193	0	80	7	93	0	27	•	
	127	20	0	7	0	40	20	40	0	7	0	13	0	20	01.0299	Agricultural Supplies and Services, Other
	7	—	—	—	—	—	—	7	0	—	—	—	—	0	01.0401	Food Products
074 Pharmacy	1,427	67	7	167	0	120	13	153	13	560	33	360	53	80	•	
075 Nursing	260	13	0	47	0	21	0	86	0	40	0	53	7	7	•	
	10,041	560	20	1,161	200	647	40	1,340	113	940	20	5,393	1,646	2,953	07.0301	Nursing
077 Dietetic Work	312	27	13	33	0	53	0	60	0	26	0	113	7	33	•	
078 Medical and Dental Tech.	13	—	—	—	—	—	—	—	—	13	0	—	—	0	•	
	193	—	—	7	6	—	—	13	7	73	33	100	13	33	07.0102	Dental Hygiene
	40	—	—	—	—	—	—	—	—	40	0	—	—	0	07.0201	Cytology (Cytotechnology)
	67	—	—	—	—	—	—	—	—	47	0	20	0	0	07.0202	Histology
	2,853	20	0	87	0	93	7	193	0	1,167	207	1,293	233	434	07.0203	Medical Lab. Assisting
	87	—	—	—	—	—	—	—	—	80	7	7	0	7	07.0204	Hematology
	20	—	—	—	—	—	—	—	—	—	—	20	0	0	07.0403	Prosthetics
	13	—	—	—	—	—	—	—	—	—	—	13	0	0	07.0404	Orthotics
	987	27	0	113	7	33	0	47	0	160	33	607	107	193	07.0501	Radiologic Technology (X-Ray)
	73	—	—	7	0	—	—	—	—	13	0	53	0	7	07.0503	Nuclear Medical Tech.
	54	—	—	—	—	—	—	7	6	—	—	47	7	7	07.0901	Electroencephalograph Technology
	100	—	—	7	6	—	—	13	0	20	0	60	13	13	07.0902	Electrocardiograph Tech.

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
079 Medicine and Health, Other	832	113	7	126	7	20	0	153	7	146	19	273	21	41	*	
	1,360	33	6	120	7	107	20	260	53	353	20	487	87	133	07.0101	Dental Assisting
	4,306	766	20	573	153	266	80	593	47	207	7	1,900	593	1,253	07.0302	Practical (Vocational) Nursing
	114	93	0	7	0	—	—	7	0	—	—	7	7	0	07.0306	Surgical Technicians
	33	—	—	—	—	—	—	33	0	—	—	—	—	0	07.0602	Orthoptics
	61	7	0	7	0	—	—	47	0	—	—	—	—	33	07.0401	Occupational Therapy
	220	40	0	13	7	—	—	20	0	—	—	147	47	7	07.0903	Inhalation Therapy
	572	33	0	33	7	20	0	33	6	213	20	240	13	47	07.0904	Medical Asst., Physician's Office
Subtotal	29,219	2,033	80	2,960	493	1,807	200	3,813	255	5,153	467	13,453	3,227	6,087		
Occupations in Education																
090 College & University Education	1,047	—	—	80	0	—	—	—	—	534	0	433	100	0	*	
091 Secondary School Education	9,853	1,433	127	1,820	200	1,347	107	2,013	213	1,840	160	1,400	207	900	*	
092 Primary School and Kindergarten Education	8,720	1,107	60	1,486	140	1,207	100	1,907	107	1,393	107	1,620	180	866	*	
094 Education of the Handicapped	440	73	0	7	7	73	0	100	0	180	40	7	7	0	*	
096 Home Economics, Agriculture, and Related Education	46	—	—	7	0	—	—	26	0	13	0	—	—	0	*	
	233	—	—	40	6	20	0	160	13	13	0	—	—	7	01.02	Ag. Supplies & Services
097 Vocational Education	74	47	0	—	—	—	—	20	0	7	0	—	—	0	*	
099 Education, Other	167	27	0	—	—	80	13	—	—	33	0	27	0	20	*	
Subtotal	20,580	2,687	187	3,440	353	2,727	220	4,226	333	4,013	307	3,687	487	1,793		
Occupations in Museum, Library, and Archival Sciences																
100 Library Work	519	53	0	107	7	33	7	113	7	100	13	113	13	93	*	
Subtotal	519	53	0	107	7	33	7	113	7	100	13	113	13	93		
Occupations in Law and Jurisprudence																
110 Legal Work	3,806	220	7	173	13	173	0	360	13	980	67	1,900	133	447	*	
111 Judicial Work	46	—	—	33	7	—	—	13	0	—	—	—	—	0	*	
119 Law and Jurisprudence, Other	694	47	0	34	0	20	0	33	0	233	46	327	93	240	*	
Subtotal	4,546	267	7	240	20	193	0	406	13	1,213	113	2,227	226	687		
Occupations in Religion and Theology																
120 Ministerial Work	790	67	13	93	0	93	7	133	20	113	13	300	13	46	*	
129 Religion and Theology, Other	53	6	0	—	—	7	0	—	—	—	—	40	0	7	*	
Subtotal	843	73	13	93	0	100	7	133	20	113	13	340	13	53		
Occupations in Writing																
130 Freelance Writing	7	—	—	—	—	—	—	—	—	—	—	7	0	13	*	
131 Writing & Editing, Motion Pictures, Radio & Television	73	—	—	—	—	—	—	13	0	40	0	20	0	0	*	
132 Writing and Editing, Publications	1,773	140	0	187	7	100	0	133	0	1,120	113	93	0	121	*	
	114	47	0	—	—	—	—	—	—	40	0	27	7	13	04.01	Advertising Services

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
139 Writing, Other	13	—	—	—	—	—	—	—	—	13	0	—	—	0	•	
Subtotal	1,960	187	0	187	7	100	0	146	0	1,213	113	147	7	147		
Occupations in Art																
141 Commercial Art	47	—	—	7	0	—	—	27	7	—	—	13	0	7	•	
	239	33	0	—	—	—	—	—	—	153	7	53	0	7	04.01	Advertising Services
	167	—	—	7	0	—	—	—	—	53	7	107	0	7	17.07	Commercial Art, Occu.
142 Designing	40	—	—	—	—	—	—	—	—	20	0	20	0	0	04.01	Advertising Services
	553	—	—	—	—	67	7	53	0	220	27	213	7	66	04.05	Floristry
	20	—	—	—	—	—	—	—	—	7	0	13	0	6	17.07	Commercial Art, Occu.
	293	—	—	13	0	—	—	20	0	107	7	153	27	27	17.0701	Interior Decorating
	80	60	40	—	—	—	—	—	—	—	—	20	6	206	17.0703	Product Design
143 Photography	160	7	13	13	0	—	—	7	0	80	6	53	13	7	•	
	199	—	—	—	—	46	0	40	0	73	13	40	0	20	04.15	Personal Services
144 Painting & Related Work	7	—	—	—	—	—	—	—	—	7	0	—	—	0	•	
145 Sculpturing & Related Work	47	—	—	—	—	—	—	—	—	—	—	47	0	0	•	
149 Art Work, Other	7	7	0	—	—	—	—	—	—	—	—	—	—	0	•	
Subtotal	1,859	107	53	40	0	113	7	147	7	720	67	732	53	353		
Occupations in Entertainment and Recreation																
151 Dancing	13	—	—	—	—	—	—	—	—	—	—	13	7	7	•	
152 Music	579	40	7	40	0	20	0	120	7	126	7	233	7	13	•	
153 Athletics and Sports	336	34	0	14	0	107	13	7	0	20	0	153	0	40	•	
	6	—	—	—	—	—	—	6	0	—	—	—	—	0	01.0101	Animal Science
159 Entertainment & Recreation, Other	293	26	20	13	0	33	0	100	20	87	0	33	333	747	•	
Subtotal	1,225	100	27	67	0	160	13	233	27	233	7	432	347	807		
Occupations in Administrative Specializations																
160 Accounting and Auditing	3,746	167	0	113	7	40	0	486	7	1,027	173	1,313	73	380	•	
	353	—	—	13	0	—	—	20	0	140	20	180	0	53	14.0101	Accountants
161 Budget & management Analysis	388	20	0	53	13	47	0	27	0	94	7	147	13	7	14.0802	Budget Management Analysts
163 Purchasing Management	133	13	0	—	—	—	—	13	0	93	0	14	0	7	•	
	627	133	0	7	0	40	0	93	0	54	0	200	40	87	01.04[illegible]	Food Products
	7	—	—	—	—	—	—	—	—	7	0	—	—	0	04.01	Advertising Services
	94	7	0	—	—	—	—	—	—	67	0	20	0	0	04.04	Finance & Credit
	114	—	—	—	—	27	0	7	0	47	0	33	0	7	04.06	Food Distribution
	520	13	0	80	0	7	0	40	0	53	0	327	0	7	04.08	General Merchandise
	13	—	—	—	—	—	—	—	—	—	—	13	0	0	14.0699	Supv., & Admin. Manage. Occupations, Other
	366	13	0	20	0	20	0	27	0	133	7	153	0	40	04.99	Distributive Ed., Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
163 Sales & Distribution Management	1,461	53	0	60	0	114	13	54	0	333	7	847	33	120	04.12	Industrial Marketing
	7	7	0	—	—	—	—	—	—	—	—	—	—	0	04.16	Petroleum
164 Advertising Management	314	—	—	34	0	20	0	—	—	93	0	167	0	0	04.01	Advertising Services
165 Public Relations Management	7	—	—	—	—	—	—	—	—	7	0	—	—	6	*	
	286	13	0	—	—	—	—	33	0	107	7	133	0	13	04.01	Advertising Services
166 Personnel & Training Administration	73	—	—	—	—	—	—	—	—	73	0	—	—	0	*	
	67	—	—	—	—	7	0	—	—	7	0	53	13	13	04.13	Insurance
	27	—	—	—	—	—	—	7	0	20	0	—	—	0	14.0601	Ed. Asst. & Training Specialists
	320	20	0	27	0	—	—	7	0	73	47	193	160	147	14.0602	Interviewers & Test Technicians
	519	—	—	53	0	13	0	33	0	194	7	226	61	100	14.0603	Personnel Assistants
168 Inspecting & Investigating, Managerial & Public Service	93	—	—	—	—	—	—	—	—	33	7	60	0	14	*	
	7	—	—	—	—	—	—	—	—	7	0	—	—	0	04.16	Petroleum
	313	20	0	7	0	—	—	—	—	233	53	53	0	53	14.0899	Supv. & Admin. Manage. Occupations, Other
	33	—	—	—	—	—	—	—	—	20	0	13	0	7	16.02	Agricultural Related Tech.
	27	7	0	—	—	—	—	—	—	20	0	—	—	0	17.2899	Public Service. Occu., Other
	61	—	—	—	—	—	—	7	0	27	0	27	100	0	14.0602	Interviewers & Test Technicians
169 Administrative Specialities, Other	13	—	—	—	—	—	—	—	—	6	0	7	0	0	*	
	7	—	—	—	—	—	—	—	—	7	0	—	—	0	01.0602	Recreation
	927	—	—	—	—	—	—	46	0	380	13	501	47	107	04.13	Insurance
	120	—	—	—	—	—	—	—	—	93	0	27	0	46	14.02	Business Data Processing Systems
	27	—	—	—	—	—	—	—	—	27	0	—	—	0	14.0602	Interviewers & Test Technicians
	13	—	—	—	—	—	—	—	—	13	0	—	—	0	14.0699	Personnel Training Occupations, Other
	526	7	0	7	0	6	0	93	0	226	13	187	0	13	14.0701	Executive Secretary
	825	—	—	33	0	73	0	60	6	426	33	233	33	40	14.0801	Administrative Assts.
	4,432	120	7	340	7	406	0	293	0	1,340	106	1,933	147	219	14.0805	Office Managers
	47	—	—	—	—	—	—	7	0	—	—	40	0	7	14.0899	Supv. & Admin. Manage. Occupations, Other
Subtotal	16,913	613	7	847	27	820	13	1,353	13	6,080	500	7,200	720	1,493		
Managers and Officials																
180 Agriculture, Forestry, and Fishing Management	13	—	—	—	—	—	—	—	—	13	0	—	—	0	01.01	Agriculture Production
	7	—	—	—	—	—	—	7	0	—	—	—	—	0	01.0102	Plant Science
	306	13	0	53	0	33	0	20	0	40	0	147	0	7	01.0104	Farm Business Management
181 Mining Management	147	—	—	20	0	33	0	20	0	47	0	27	0	0	04.16	Petroleum
182 Construction Management	1,673	94	0	133	0	27	0	294	0	226	7	899	46	7	*	
183 Manufacturing Industry Management	1,593	27	0	47	0	80	0	199	60	380	40	860	60	120	*	
	20	—	—	—	—	—	—	—	—	7	0	13	0	0	01.0401	Food Products
	53	—	—	—	—	—	—	7	0	33	7	13	0	6	04.12	Industrial Marketing

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
184 Transportation, Communication and Utilities Management	221	20	0	13	0	27	0	54	7	80	0	27	0	0	*	
	228	—	—	14	0	7	0	46	0	100	0	61	0	7	04.19	Transportation
185 Wholesale and Retail Trade Management	13	—	—	—	—	—	—	—	—	13	0	—	—	0	*	
	852	73	0	113	0	66	13	153	0	167	13	280	20	33	04.03	Automotive
	274	7	0	106	0	40	0	7	0	107	0	7	0	0	04.06	Food Distribution
	13	—	—	—	—	—	—	13	0	—	—	—	—	0	04.07	Food Services
	6,987	500	0	1,067	47	620	7	1,220	7	1,627	53	1,893	67	220	04.08	General Merchandise
	34	7	7	—	—	7	0	13	0	—	—	7	0	0	04.16	Petroleum
	27	—	—	—	—	—	—	—	—	—	—	27	0	0	04.17	Real Estate
	566	33	7	6	0	—	—	34	0	146	0	347	40	60	04.31	Wholesale Trade, Other
186 Finance, Insurance, and Real Estate Management	268	—	—	7	0	7	0	7	0	120	0	127	0	0	*	
	4,121	160	6	35	26	407	0	547	27	1,773	307	840	79	640	04.04	Finance and Credit
	1,219	40	0	33	0	27	0	60	0	320	27	739	27	80	04.13	Insurance
	7	7	0	—	—	—	—	—	—	—	—	—	—	0	04.16	Petroleum
	715	40	0	61	0	80	7	33	0	167	7	334	13	13	04.17	Real Estate
	54	—	—	—	—	13	0	14	0	20	20	7	0	0	14.0805	Office Managers
187 Service Industry Management	1,499	147	0	247	19	240	19	240	7	313	26	312	33	120	*	
	114	—	—	—	—	—	—	—	—	27	0	87	13	40	04.03	Automotive
	2,634	240	0	127	14	294	13	553	20	726	107	694	7	266	04.07	Food Services
	33	7	0	—	—	—	—	—	—	13	0	13	0	0	04.09	Hdwe., Bldg. Materials, Farm & Garden Sup. & Eqp.
	607	126	0	80	14	20	0	174	0	87	0	120	7	61	04.11	Hotel and Lodging
	628	40	7	54	0	40	7	154	6	188	13	152	0	20	04.15	Personal Services
	40	7	0	7	0	—	—	13	0	13	0	—	—	0	04.17	Real Estate
	126	7	0	—	—	13	0	26	13	60	7	20	0	13	04.18	Recreation and Tourism
	367	47	0	233	0	—	—	13	0	27	0	47	0	0	09.0203	Food Mgt., Production and Services
	253	7	0	60	0	—	—	6	0	73	20	107	7	7	09.0205	Inst. Home Mgt. and Supportive Services
188 Public Administration Management	1,518	79	0	185	33	233	7	293	0	708	53	20	0	80	*	
189 Miscellaneous Managerial Work	1,132	26	0	13	0	—	—	40	0	554	53	499	7	66	*	
	27	—	—	—	—	6	0	14	0	—	—	7	0	0	04.04	Finance and Credit
	100	—	—	—	—	—	—	20	0	33	7	47	7	7	04.08	General Merchandise
	3,465	253	6	107	0	153	0	353	0	926	53	1,673	87	220	04.12	Industrial Marketing
Subtotal	31,954	2,007	33	3,180	153	2,533	73	4,647	147	9,134	820	10,453	520	2,093		
Miscellaneous Professional, Technical, and Managerial Occupations																
191 Business Relations Work	147	—	—	—	—	—	—	—	—	27	0	120	13	13	*	
	20	—	—	—	—	—	—	—	—	—	—	20	0	7	04.04	Finance and Credit
	147	—	—	7	0	—	—	20	0	80	20	40	7	33	04.17	Real Estate
	54	—	—	—	—	—	—	7	0	13	0	34	0	0	04.18	Recreation and Tourism

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
194 Sound Recording, Transcribing and Reproducing	6	—	—	—	—	—	—	—	—	6	27	—	—	0	*	
195 Social and Welfare Work	2,053	40	0	60	27	273	47	287	13	727	146	666	120	419	*	
196 Airplane Piloting and Navigation	74	7	0	—	—	—	—	—	—	—	—	67	0	0	04.18	Recreation and Tourism
199 Miscellaneous Professional, Technical, and Managerial Work	173	33	13	33	0	20	0	47	13	7	0	33	0	41	*	
Subtotal	120	13	0	7	0	—	—	13	7	—	—	87	0	13	16.0601	Commercial Pilot Training
	26	—	—	—	—	—	—	6	7	20	0	—	—	0	*	
	13	—	—	—	—	—	—	—	—	—	—	13	0	0	17.2002	Radiography
	2,833	93	13	107	27	293	47	380	40	880	193	1,080	140	526		
Total— Professional, Technical, and Managerial Occupations	125,421	8,580	500	11,468	1,041	9,193	694	16,123	954	33,099	3,100	46,958	6,493	18,056		

*No Vocational Instructional Training Program Listed.

TABLE 3
CLERICAL AND SALES OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Stenography, Typing, Filing, and Related Occupations	20,675	994	107	1,220	60	1,393	100	1,787	134	5,440	486	9,841	1,420	3,160	14.0702	Secretaries
201 Secretarial Work	873	13	0	13	0	7	0	100	6	340	40	400	73	333	14.0703	Stenographers
202 Stenography	3,307	27	0	200	20	20	0	187	27	860	200	1,913	340	746	14.0902	Typists
203 Typing	73	13	0	—	—	—	—	—	—	27	7	33	0	14	14.0402	Correspondence Clerks
204 Correspondence Work	67	—	—	40	0	—	—	7	0	41	0	27	0	0	*	
205 Personnel Work	115	—	—	7	0	—	—	13	0	400	99	60	7	14	14.0603	Personnel Assistants
206 Filing	2,305	—	—	26	6	13	0	13	0	40	27	1,853	1,000	1,067	14.0302	File Clerk
207 Duplicating-Machine Work	106	—	—	6	0	—	—	—	—	40	7	47	13	7	14.0301	Duplicating Mach. Operators
208 Miscellaneous Office Machine Work	285	—	—	66	0	—	—	—	—	—	—	179	46	86	14.0399	Filing, Office Machines & Gen. Office Cler., Other
209 Stenography, Typing, Filing, and Related Work, Other	21	7	0	—	—	7	0	7	0	—	—	—	—	0	*	
	60	—	—	—	—	—	—	—	—	7	0	55	7	27	04.08	General Merchandise
	11,001	73	14	155	7	254	27	846	40	1,046	121	8,627	2,980	526	14.0399	Filing, Office Machines & Gen. Office Cler., Other
	47	—	—	—	—	—	—	—	—	47	0	—	—	0	14.0502	Quality-Control Clerks
	1,278	33	6	80	0	213	0	66	0	773	153	113	20	180	14.0901	Clerk-Typists
Subtotal	40,213	1,160	127	1,813	93	1,907	127	3,026	207	9,161	1,140	23,146	5,906	6,160		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Computing and Account-Recording Occupations	13,580	1,107	33	1,493	53	1,007	40	2,000	127	3,273	220	4,700	319	1,000	14.0102	Bookkeepers
210 Bookkeeping	13	—	—	—	—	—	—	13	0	—	—	—	—	0	04.06	Food Distribution
211 Cashiering	973	—	—	40	7	—	—	27	13	460	187	446	200	887	04.08	General Merchandise
	273	7	0	—	—	40	7	40	0	133	13	53	6	27	04.11	Hotel and Lodging
	54	—	—	—	—	7	0	7	0	33	7	7	0	0	04.18	Recreation and Tourism
	880	53	13	127	20	146	7	127	20	147	40	280	27	120	14.0103	Cashiers
	2,507	167	20	126	6	280	20	420	27	1,107	226	407	40	373	14.0105	Tellers
212 Teller Service	1,941	7	0	20	7	7	0	60	0	860	100	987	100	194	14.0201	Computers & Console Oper.
213 Automatic Data Processing	1,827	—	—	47	0	7	6	40	0	560	120	1,173	154	473	14.0202	Keypunch & Cod. Eqp. Oper.
	60	—	—	—	—	—	—	—	—	7	0	53	0	20	14.0104	Machine Operators
214 Billing-Machine Work	441	—	—	7	0	67	0	13	13	227	7	127	0	40	14.0104	Machine Operators
215 Bookkeeping-Machine Work	27	—	—	7	0	—	—	7	6	13	7	—	—	7	*	
216 Computing-Machine Work	7	—	—	—	—	—	—	7	0	—	—	—	—	6	04.07	Food Services
	27	—	—	—	—	20	0	7	0	—	—	—	—	7	14.0104	Machine Operators
	53	7	0	13	0	—	—	—	—	—	—	33	0	0	14.0104	Machine Operators
217 Account-Recording-Machine Work	100	—	—	—	—	—	—	—	—	47	0	53	6	7	04.04	Finance and Credit
219 Computing and Account Recording, Other	34	—	—	7	0	7	0	—	—	13	0	7	0	0	14.0199	Accounting and Computing Occupations, Other
	16,637	439	7	873	60	892	120	1,139	74	4,020	680	9,274	1,668	4,246	14.0303	General Office Clerks
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.1999	Graphic Arts, Other
Subtotal	39,441	1,787	73	2,760	153	2,480	200	3,907	280	10,900	1,607	17,607	2,520	7,407		
Material and Production Recording Occupations	326	—	—	—	—	—	—	—	—	266	6	60	0	27	14.0501	Planning & Production Clerks
221 Clerical Work, Production	73	—	—	—	—	73	0	—	—	—	—	—	—	0	01.0401	Food Products
222 Clerical Work, Shipping and Receiving	1,533	66	26	107	20	60	0	67	0	260	27	973	173	327	14.0503	Shipping & Receiving Clerks
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	14.0505	Traffic, Rate, & Trans. Clerks
223 Stock Checking and Related Work	2,226	27	7	153	13	227	53	346	60	286	47	1,187	267	473	*	
	40	7	0	7	0	—	—	—	—	—	—	26	0	0	04.06	Food Distribution
	481	53	0	67	7	27	7	7	0	—	—	327	67	113	07.0905	Central Supply Technician
	361	—	—	60	7	7	0	7	0	127	0	160	13	60	14.0504	Stock & Inventory Clerks
224 Weighing	160	7	0	20	0	53	0	33	0	7	13	40	7	27	*	
	13	—	—	13	0	—	—	—	—	—	—	—	—	0	14.0599	Material Support Occupations, Other
	40	—	—	—	—	—	—	—	—	—	—	40	0	0	*	
229 Material and Production Recording, Other	21	7	0	—	—	—	—	—	—	14	0	—	—	0	14.0599	Material Support Occupations, Other
Subtotal	5,281	167	33	427	47	447	60	460	60	960	93	2,820	527	1,027		
Information and Message Distribution Occupations																
230 Messenger and Related Work	153	—	—	47	13	13	0	—	—	40	26	53	13	67	14.0405	Messengers, Office Boys and Girls

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
231 Mail Sorting, Stamping, Recording, Routing and Related Work	1,473	13	0	53	7	7	0	33	0	1,347	80	20	0	166	14.0403	Mail & Postal Clerks
232 Clerical Work, Post Office	746	40	7	67	0	113	7	66	0	447	0	13	0	7	14.0403	Mail & Postal Clerks
233 Mail Delivery	2,287	134	0	93	0	107	6	80	7	1,853	0	20	0	40	14.0403	Mail & Postal Clerks
234 Mail-Preparing-and Mail-Handling-Machine Work	20	—	—	—	—	—	—	—	—	20	0	—	—	0	14.0404	Mail-Preparing and Mail-Handling Mach. Operators
235 Telephone Work	3,922	7	0	40	7	7	0	67	6	580	93	3,221	2,347	287	14.0401	Communications Systems Clerks and Operators
237 Reception and Information Dispensing Work	153	—	—	—	—	—	—	—	—	—	—	153	27	67	04.18	Recreation & Tourism
	4,912	139	6	480	33	146	14	593	13	1,227	140	2,327	220	400	14.0406	Reception and Information Clerks
239 Information and Message Distribution, Other	40	—	—	—	—	—	—	7	0	13	0	20	0	0	04.99	Distributive Ed., Other
	106	—	—	—	—	—	—	0	7	73	20	33	0	13	14.0499	Information, Communications, Occupations, Other
Subtotal	13,812	333	13	780	60	393	27	846	33	5,600	359	5,860	2,607	1,047		
Miscellaneous Clerical Occupations																
240 Collecting	53	—	—	—	—	—	—	—	—	53	0	—	—	20	04.08	General Merchandise
	20	—	—	—	—	—	—	—	—	—	—	20	7	6	14.99	Office Occupations, Other
241 Adjusting	7	—	—	—	—	—	—	—	—	—	—	7	0	0	04.08	General Merchandise
	1,081	7	0	—	—	13	0	47	7	687	53	327	13	86	04.13	Insurance
	27	—	—	—	—	—	—	—	—	20	0	7	0	0	14.99	Office Occupations, Other
242 Hotel Desk Work	94	7	0	—	—	—	—	—	—	47	7	40	0	13	04.11	Hotel and Lodging
243 Clerical Work, Direct Service	100	6	0	—	—	—	—	7	0	53	0	34	0	0	14.99	Office Occupations, Other
249 Miscellaneous Clerical Work	13	—	—	—	—	—	—	—	—	13	0	—	—	0	*	
	47	—	—	—	—	—	—	—	—	—	—	47	0	0	04.04	Finance and Credit
	800	—	—	—	—	—	—	—	—	—	—	800	480	20	04.08	General Merchandise
	887	—	—	—	—	—	—	—	—	507	0	380	73	100	04.13	Insurance
	532	33	0	46	0	27	0	46	0	287	0	93	27	7	14.0499	Information, Communications Occu. Other
	1,280	80	27	74	27	7	0	67	0	600	27	452	40	188	14.99	Office Occupations, Other
	20	20	0	—	—	—	—	—	—	—	—	—	—	0	16.0106	Civil Technology
	120	—	—	—	—	—	—	—	—	120	26	—	—	13	04.01	Advertising Services
Subtotal	5,081	153	27	120	27	47	0	167	7	2,387	113	2,207	640	453		
Sales Workers, Services																
250 Saleswork, Real Estate and Insurance	47	—	—	—	—	—	—	40	0	7	0	—	—	0	04.04	Finance and Credit
	7	—	—	—	—	—	—	—	—	7	0	—	—	0	*	
	3,320	233	20	187	20	347	66	360	13	700	140	1,493	113	353	04.13	Insurance
	4,779	113	20	93	0	53	7	307	0	1,566	180	2,647	587	1,213	04.17	Real Estate
251 Saleswork, Securities	519	13	0	—	—	20	0	—	—	473	0	13	0	7	04.04	Finance and Credit
252 Saleswork, Business and Financial Services	54	7	0	—	—	—	—	—	—	—	—	47	0	0	04.04	Finance Credit
	800	7	0	13	0	7	7	40	0	460	180	273	0	27	04.12	Industrial Marketing
253 Saleswork, Radio and Television Broadcasting Services	127	7	0	7	0	—	—	33	0	60	20	20	7	20	04.01	Advertising Services

OCCUPATIONAL DIVISION		Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number	Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
254	Saleswork, Hotel Services	34	—	—	—	—	—	—	—	—	7	0	27	0	0	04.11	Hotel and Lodging
255	Saleswork, Transportation Services	7	—	—	—	—	—	—	7	0	—	—	—	—	0	04.19	Transportation
256	Saleswork, Maintenance and Repair Services	7	—	—	—	—	—	—	—	—	—	—	7	0	0	04.07	Food Services
		7	—	—	7	0	—	—	—	—	—	—	—	—	0	04.10	Home Furnishings
257	Saleswork, Utilities	20	—	—	—	—	7	0	—	—	—	—	13	0	7	04.99	Distributive Ed., Other
258	Saleswork, Printing and Advertising	552	13	13	53	7	7	0	33	7	253	33	193	7	60	04.01	Advertising Services
		327	7	0	33	0	—	—	—	—	40	7	247	6	40	04.12	Industrial Marketing
259	Saleswork, Services, Other	59	13	0	—	—	26	13	—	—	—	—	20	0	13	04.99	Distributive Ed., Other
	Subtotal	10,666	413	53	393	27	467	93	820	20	3,573	560	5,000	720	1,740		
	Sales Workers and Salespersons, Commodities																
260	Saleswork, Horticultural and Nursery Products	434	7	0	60	0	67	13	27	0	180	67	93	27	40	04.05	Floristry
261	Saleswork, Agricultural Products, Other	227	46	0	14	0	—	—	—	—	20	0	147	0	7	04.06	Food Distribution
262	Saleswork, Foodstuffs, Beverages, and Tobacco	834	33	0	127	20	260	40	133	27	234	6	47	0	73	01.0202	Feeds
		1,467	6	0	33	7	27	13	147	20	267	47	987	93	187	04.06	Food Distribution
263	Saleswork, Textiles, Textile Products, and Apparel	6,045	220	27	740	73	273	20	752	40	1,601	406	2,459	468	1,652	04.02	Apparel & Accessories
		273	7	0	33	0	26	0	47	0	100	13	60	0	27	04.08	General Merchandise
		7	—	—	—	—	—	—	7	0	—	—	—	—	0	04.12	Industrial Marketing
265	Saleswork, Paper and Paper Products	340	—	—	6	0	7	0	—	—	67	27	260	33	40	04.12	Industrial Marketing
266	Saleswork, Chemicals and Drug Preparation	1,466	—	—	—	—	—	—	—	—	1,466	67	—	—	33	*	
		107	7	0	—	—	—	—	33	0	27	13	40	0	0	04.08	General Merchandise
		93	—	—	—	—	33	0	—	—	20	0	40	13	20	04.12	Industrial Marketing
267	Saleswork, Fuel and Petroleum Products	127	—	—	53	0	—	—	—	—	20	0	54	0	0	04.31	Wholesale Trade, Other
		7	—	—	—	—	—	—	—	—	—	—	7	0	0	*	
268	Saleswork, Plastics Products	20	—	—	—	—	—	—	—	—	13	0	7	0	7	04.12	Industrial Marketing
273	Saleswork, Metal and Metal Products	46	—	—	—	—	13	0	7	7	26	0	—	—	0	04.12	Industrial Marketing
274	Saleswork, Housefurnishing	120	20	0	27	13	—	—	—	—	13	0	60	0	13	04.08	General Merchandise
		1,969	54	0	227	7	120	7	294	27	394	34	880	206	441	04.10	Home Furnishings
276	Saleswork, Industrial, Construction, Mining, and Drilling Equipment & Supplies	3,621	421	47	347	40	287	40	593	46	1,053	54	920	79	466	04.09	Hdwe., Bldg. Materials, Farm & Garden Sup. & Eqp.
		426	—	—	73	0	—	—	13	0	53	0	287	20	53	04.12	Industrial Marketing
		27	27	0	—	—	—	—	—	—	—	—	—	—	0	04.16	Petroleum
277	Saleswork, Farm and Garden Eqp. and Supplies	74	27	0	—	—	—	—	47	0	—	—	—	—	0	01.0301	Agricultural Power and Machinery
		2,419	106	27	214	21	340	27	873	140	499	33	387	60	374	04.09	Hdwe., Bldg, Materials, Farm & Garden Sup. & Eqp.
278	Saleswork, Household Appliances and Electrical Machinery, Equipment, and Supplies	860	34	7	100	13	60	13	153	20	294	47	219	46	87	04.10	Home Furnishings
		7	—	—	—	—	—	—	—	—	7	0	—	—	0	04.12	Industrial Marketing
		13	—	—	—	—	—	—	—	—	—	—	13	0	0	09.0204	Home Furnishings, Eqp. & Services

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
280 Saleswork, Transportation	4,792	286	47	586	66	426	33	574	47	1,434	146	1,486	220	553	04.03	Automotive
Equipment	147	—	—	27	0	—	—	—	—	13	0	107	0	0	04.19	Transportation
281 Saleswork, Business and Commer-	20	—	—	—	—	—	—	—	—	—	—	20	0	0	•	
cial Machines, Eqp. & Supp.	79	—	—	—	—	13	0	53	7	—	—	13	0	0	04.07	Food Services
	506	20	0	93	7	13	0	7	0	180	33	193	7	67	04.12	Industrial Marketing
282 Saleswork, Medical and Dental	54	—	—	—	—	—	—	7	0	27	7	20	7	20	•	
Eqp., Sup., & Appliances	120	13	0	7	0	—	—	—	—	7	0	93	7	20	01.0299	Ag. Supplies/Services, Other
	140	—	—	—	—	—	—	20	0	33	13	87	7	20	04.12	Industrial Marketing
283 Saleswork, Jewelry & Silverware	607	20	0	80	7	40	7	113	6	67	7	287	40	113	04.02	Apparel & Accessories
	13	—	—	—	—	—	—	—	—	—	—	13	0	0	04.08	General Merchandise
285 Saleswork, Photographic Equp.	60	—	—	13	7	—	—	33	0	7	7	7	0	13	04.18	Recreation & Tourism
and Supplies																
286 Saleswork, Amusement and	526	33	6	60	6	40	0	54	7	166	60	173	47	107	04.18	Recreation & Tourism
Sporting Goods																
287 Saleswork, Music and Musical	180	20	7	7	7	—	—	47	0	86	7	20	0	33	04.18	Recreation & Tourism
Instruments																
289 Saleswork, Commodities, Other	333	26	0	40	13	27	7	113	20	80	13	47	0	27	•	
	1,374	186	26	207	20	114	13	293	13	287	47	287	33	187	04.03	Automotive
	34	—	—	—	—	—	—	—	—	34	0	—	—	0	04.05	Floristry
	13,806	307	73	613	46	300	13	820	100	2,013	186	9,753	1,053	2,553	04.08	General Merchandise
	514	60	33	—	—	7	0	7	0	187	20	253	20	106	04.12	Industrial Marketing
	726	40	7	20	7	—	—	—	—	432	47	234	7	67	04.18	Recreation & Tourism
	4,353	7	0	13	7	—	—	—	—	—	—	4,333	1,900	0	04.20	Retail Trade, Other
	647	27	0	20	0	20	0	40	0	173	13	367	20	47	04.31	Wholesale Trade, Other
Subtotal	50,060	2,060	307	3,840	387	2,513	246	5,307	527	11,580	1,420	24,760	4,413	7,453		
Merchandising Occupations, except Sales Workers																
290 Sales Clerking	2,480	234	0	173	0	353	33	600	113	446	47	674	107	407	04.06	Food Distribution
	746	193	7	133	27	53	7	27	0	87	13	253	26	153	04.08	General Merchandise
	100	—	—		0	—	—	20	0	53	0	20	0	0	04.15	Personal Services
291 Peddling	41	7	7	—	—	7	0	—	—	27	0	—	—	7	04.06	Food Distribution
	86	—	—	—	—	7	0	73	26	—	—	6	0	33	•	
292 Route Work	233	—	—	—	—	—	—	—	—	233	80	—	—	67	•	
	2,041	73	6	100	7	20	0	554	27	607	107	687	80	186	04.06	Food Distribution
293 Canvassing and Soliciting	68	—	—	7	0	—	—	7	0	54	33	—	—	13	•	
	46	—	—	—	—	—	—	—	—	13	0	33	0	0	04.20	Retail Trade, Other
294 Auctioneering	307	20	0	67	0	80	0	100	0	40	0	—	—	0	04.08	General Merchandise
296 Shopping	33	—	—	—	—	—	—	—	—	33	0	—	—	0	04.08	General Merchandise
297 Demonstrating and Modeling	53	—	—	—	—	—	—	—	—	53	7	—	—	7	•	
298 Display Work	53	—	—	40	0	—	—	13	0	—	—	—	—	0	04.01	Advertising Services

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
299 Miscellaneous Merchandising Work, Other	787	80	20	127	266	20	7	60	20	40	27	460	280	1,153	*	
	20	—	—	—	—	—	—	—	—	—	—	20	7	20	04.02	Apparel & Accessories
	4,526	173	13	540	67	527	53	933	180	760	120	1,593	407	1,121	04.06	Food Distribution
	1,073	—	—	33	0	7	0	26	0	140	0	867	73	133	04.08	General Merchandise
	13	—	—	6	0	—	—	—	—	—	—	7	0	0	04.10	Home Furnishings
	87	—	—	27	6	—	—	20	u	20	0	20	0	20	07.0601	Ophthalmic Dispensing
	580	40	0	47	0	13	0	80	7	147	33	253	153	313	17.1099	Construction & Maintenance Trades Other
Subtotal	13,373	820	53	1,307	373	1,087	100	2,513	373	2,753	467	4,893	1,133	3,633		
Total—Clerical and Sales Occupations	177,927	6,893	686	11,440	1,167	9,341	853	17,046	1,507	46,914	5,759	86,293	18,466	28,920		

*No Vocational Instructional Training Program Listed.

TABLE 4
SERVICE OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Domestic Service Occupations																
302 Laundry Work, Private Family	14	7	0	—	—	—	—	—	—	—	—	7	0	0	09.0202	Clothing Mgt., Production & Services
303 Housekeeping, Private Family	6	—	—	—	—	—	—	—	—	6	0	—	—	0	*	
	281	7	7	7	0	27	7	40	0	67	7	133	7	13	09.0205	Inst. Home Mgt., and Supporting Services
305 Domestic Cooking	27	—	—	—	—	7	6	—	—	—	—	20	0	7	09.0203	Food Mgt., Production and Services
306 Housework, Domestic	372	53	0	13	0	26	0	80	7	87	13	113	13	7	09.0205	Inst. Home Mgt. and Supporting Services
307 Nursemaid Work	60	0	6	—	—	—	—	7	0	33	33	20	0	80	09.0201	Care & Guidance of Children
309 Domestic Services, Other	7	—	—	—	—	—	—	—	—	7	7	—	—	6	09.0201	Care & Guidance of Children
Subtotal	767	67	13	20	0	60	13	127	7	200	60	293	20	113		
Food and Beverage Preparation and Service Occupations																
310 Food and Beverage Service, except Ship Stewards	600	33	0	47	0	7	27	33	0	280	80	200	73	387	04.07	Food Services
	47	7	0	—	—	—	—	—	—	40	0	—	—	20	09.0203	Food Mgt., Production and Services

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
311 Food Serving	18,141	1,594	593	2,360	453	1,287	647	2,740	840	6,026	2,540	4,134	1,640	8,241	17.2904	Waiter/Waitress
312 Bartending	4,926	533	87	300	33	533	120	780	113	1,227	287	1,553	747	2,240	*	
313 Cooking, Large Hotels and Restaurants	281	27	0	13	0	40	0	27	0	27	0	147	27	13	09.0203	Food Mgt., Production and Services
	607	40	7	60	0	53	7	67	27	293	146	94	0	447	17.2901	Baker
	8,288	560	53	1,153	120	987	153	1,414	93	1,887	214	2,287	393	1,547	17.2902	Cook/Chef
314 Cooking, Small Hotels and Restaurants	2,485	113	33	366	20	180	33	346	86	800	386	680	153	1,073	17.2902	Cook/Chef
315 Miscellaneous Cooking, Except Domestic	1,639	67	7	400	33	140	13	266	13	13	0	753	200	226	17.2902	Cook/Chef
316 Meatcutting, Except in Slaughtering and Packing Houses	1,239	100	0	207	27	113	7	193	20	200	13	426	153	373	17.2903	Meatcutters
317 Miscellaneous Food and Beverage Preparation	1,793	186	27	327	40	53	27	261	54	513	227	453	80	840	17.2902	Cook/Chef
318 Kitchen Work, Other	3,720	293	53	334	160	167	180	480	87	1,113	447	1,333	660	2,540	*	
319 Food and Beverage Preparation, Other	233	60	13	27	7	40	0	13	0	80	0	13	0	40	09.0203	Food Mgt., Production and Services
	601	27	0	—	—	60	13	40	0	274	140	200	147	473	17.2904	Waiter/Waitress
Subtotal	44,600	3,640	873	5,594	893	3,660	1,227	6,660	1,333	12,773	4,480	12,273	4,273	18,460		
Lodging and Related Service Occupations																
320 Boardinghouse and Lodging-house Keeping	367	20	0	147	0	13	0	60	0	100	0	27	0	0	04.11	Hotel and Lodging
321 Housekeeping, Hotels and Institutions	1,841	67	13	360	100	154	27	220	0	153	0	887	547	1,187	09.0205	Inst. Home Mgt. and Supporting Services
323 Maid and Related Services, Hotel, Restaurants, and Related Establishments	53	—	—	7	0	—	—	—	—	33	0	13	0	0	*	
	2,691	266	73	146	53	53	33	420	120	613	113	1,193	313	693	09.0205	Inst. Home. Mgt. and Supporting Services
324 Bellman and Related Services	68	—	—	—	—	—	—	—	—	28	7	40	0	107	04.11	Hotel and Lodging
329 Lodging and Related Services, Other	7	—	—	—	—	—	—	—	—	—	—	7	0	0	04.11	Hotel and Lodging
Subtotal	5,027	353	86	660	153	220	60	700	120	927	120	2,167	860	1,987		
Barbering, Cosmetology, and Related Service Occupations																
330 Barbering and Related Services	613	40	0	20	7	53	0	100	13	260	40	140	13	40	17.2601	Barbering
331 Manicuring	40	—	—	—	—	—	—	—	—	7	0	33	0	0	17.2602	Cosmetology
332 Beautician Services	2,806	273	100	253	20	253	40	547	54	660	113	820	27	366	17.2602	Cosmetology
334 Masseur and Related Services	20	—	—	—	—	—	—	—	—	—	—	20	6	20	17.2699	Personal Services, Other
338 Embalming	121	—	—	7	0	7	0	20	0	60	0	27	20	47	07.0909	Mortuary Science

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number — Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
339 Barbering, Cosmetology, and Related Services, Other	20	—	—	—	—	—	—	—	—	—	—	20	0	0	•	
Subtotal	7	—	—	—	—	—	—	—	—	—	—	7	7	0	17.2699	Personal Services, Other
	3,627	313	100	280	27	313	40	667	67	987	153	1,067	73	473		
Amusement and Recreation Service Occupations																
340 Bowling Alley and Billiard Parlor Services	27	—	—	—	—	—	—	—	—	20	100	7	7	53	•	
341 Golf Course, Tennis Court, Skating Rink & Related Services	186	—	—	46	0	27	0	40	0	33	13	40	0	127	04.18	Recreation and Tourism
342 Amusement Device and Concession Work	13	—	—	—	—	13	0	—	—	—	—	—	—	13	•	
344 Ushering	86	13	13	27	7	13	13	—	—	—	—	33	7	13	04.18	Recreation and Tourism
Subtotal	474	—	—	33	13	27	13	200	133	187	0	27	13	154	•	
	47	—	—	—	—	27	7	—	—	20	7	—	—	20	•	
	833	13	13	106	20	107	33	240	133	260	120	107	27	380		
Miscellaneous Personal Service Occupations																
353 Guide Service, Except Hunting and Fishing	13	13	0	—	—	—	—	—	—	—	—	—	—	0	•	
354 Unlicensed Midwife and Practical Nursing Services	46	—	—	—	—	33	0	13	7	—	—	—	—	0	07.0302	Practical (Vocational) Nursing
355 Attendant Work, Hospitals, Morgues, and Related Health Services	7	—	—	—	—	—	—	—	—	—	—	7	0	0	07.0307	Home Health Aid
	80	—	—	—	—	—	—	66	0	—	—	14	0	33	•	
	11,120	673	93	1,420	440	1,180	220	2,020	440	1,587	180	4,240	1,567	4,173	07.0303	Nursing Assistants
	134	7	0	7	0	—	—	—	—	7	0	113	33	33	04.0402	Physical Therapy
	87	—	—	7	0	—	—	40	0	—	—	40	0	0	07.0977	Medical Emergency Tech.
	93	—	—	60	13	33	0	—	—	—	—	—	—	27	09.0201	Care & Guidance of Children
356 Animal Care, Other	1,540	—	—	—	—	—	—	1,540	153	—	—	—	—	0	07.0304	Psychiatric Aide
	93	—	—	—	—	—	—	87	6	0	7	6	0	0	•	
	280	47	0	13	7	100	7	53	0	27	6	40	40	7	01.0299	Ag. Supplies & Services, Other
	326	7	0	13	7	—	—	20	7	60	13	226	47	120	01.99	Agriculture, Other
358 Checkroom, Locker Room, and Restroom Service	34	—	—	—	—	—	—	7	0	27	7	—	—	7	•	
359 Miscellaneous Personal Services, Other	199	13	0	7	0	20	0	27	0	72	0	60	0	0	•	
Subtotal	181	—	—	47	13	27	0	—	—	20	0	87	0	13	09.0201	Care & Guidance of Children
	14,233	760	93	1,574	480	1,393	227	3,873	613	1,800	213	4,833	1,687	4,413		
Apparell and Furnishings Service Occupations																
361 Laundering Service	1,407	107	20	207	20	299	40	381	7	147	7	266	113	260	17.1602	Laundering
362 Dry Cleaning Service	247	—	—	13	7	87	13	120	13	7	0	20	0	40	•	
	174	—	—	20	0	33	0	47	13	60	0	14	0	7	17.1601	Drycleaning
	27	7	0	—	—	—	—	—	—	—	—	20	13	33	17.1602	Laundering

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OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
363 Pressing Service	278	12	0	—	—	27	0	86	0	93	20	60	34	66	17.16	Fabric Maintenance Services
	7	—	—	7	0	—	—	—	—	—	—	—	—	0	17.1601	Drycleaning
365 Shoe and Luggage Repair and Related Services	73	—	—	13	0	7	7	—	—	33	0	20	0	27	17.3402	Shoe Repair
366 Shoe Shining and Related Services	13	7	0	—	—	—	—	6	0	—	—	—	—	0	•	
369 Apparel and Furnishings Services, Other	253	6	0	—	—	107	20	53	0	40	0	47	27	67	04.15	Personal Services
	120	27	13	—	—	7	0	13	0	27	0	46	0	113	17.16	Fabric Maintenance Services
	27	7	0	—	—	—	—	7	0	13	13	—	—	0	17.1601	Drycleaning
	240	—	—	—	—	—	—	—	—	—	—	240	80	0	17.1602	Laundering
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.1699	Fabric Maintenance Services, Other
Subtotal	2,873	173	33	260	27	567	80	713	33	420	40	740	267	613		
Protective Service Occupations																
372 Guard and Related Services	3,267	13	0	0	40	114	0	67	0	80	0	2,993	1,427	2,820	•	
375 Police and Related Work, Public Service	607	27	0	73	33	60	7	253	7	160	13	34	0	60	17.2802	Law Enforcement Training
376 Police and Related Work, Except in Public Service	73	—	—	33	7	—	—	—	—	33	33	7	0	33	17.2802	Law Enforcement Training
377 Law Enforcement Work, Other	200	—	—	93	7	100	33	—	—	7	0	—	—	66	17.2802	Law Enforcement Training
379 Protective Services, Other	353	—	—	47	0	53	27	53	0	167	27	33	0	54	•	
Subtotal	4,500	40	0	246	87	327	67	373	7	447	73	3,067	1,427	3,033		
Building and Related Service Occupations																
381 Cleaning and Related Services	368	47	7	7	0	21	0	27	13	79	7	187	133	273	17.11	Custodial Services
382 Janitorial Services	9,886	614	40	1,120	120	813	87	1,240	54	2,993	633	3,106	573	1,880	17.11	Custodial Services
388 Elevator Service	53	—	—	—	—	—	—	26	0	27	7	—	—	0	•	
389 Building and Related Services,	159	—	—	6	7	—	—	26	0	7	0	120	14	87	•	
[illegible]	27	—	—	—	—	—	—	7	0	13	0	7	0	7	01.0201	Agricultural Chemicals
	40	—	—	—	—	—	—	—	—	7	0	33	0	0	17.11	Custodial Services
Subtotal	10,533	661	47	1,133	127	834	87	1,326	67	3,126	647	3,453	720	2,247		
Total—Service Occupations	86,993	6,020	1,258	9,873	1,814	7,481	1,834	14,679	2,380	20,940	5,906	28,000	9,354	31,719		

*No Vocational Instruction Training Program Listed.

TABLE 5
FARMING, FISHING, FORESTRY AND RELATED OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Plant Farming Occupations																
401 Grain Farming	740	60	73	47	0	27	173	120	107	—	—	486	667	1,700	01.0102	Plant Science
403 Vegetable Farming	1,145	1,039	1,627	106	0	—	—	—	—	—	—	—	—	207	01.0102	Plant Science
404 Fruit and Nut Farming	27	7	0	7	0	—	—	—	—	—	—	13	0	0	01.0299	Ag. Supplies & Services, Other
406 Crop Specialty Farming	13	—	—	—	—	13	0	—	—	—	—	—	—	0	01.0102	Plant Science
406 Horticultural Specialty Work	6	—	—	—	—	—	—	6	0	—	—	—	—	0	•	
	20	7	0	13	0	—	—	—	—	—	—	—	—	0	01.0102	Plant Science
	173	—	—	—	—	7	7	—	—	93	27	73	20	67	01.0502	Floriculture
	899	—	—	—	—	—	—	33	33	533	452	333	200	566	01.0505	Nursery Operation & Mgt.
407 Gardening and Groundskeeping	209	7	0	40	0	34	27	27	7	67	0	34	0	60	•	
	13	—	—	—	—	—	—	13	0	—	—	—	—	0	01.0501	Aboriculture
	1,141	67	27	53	67	33	13	200	20	394	147	394	86	307	01.0504	Landscaping
	168	47	40	7	0	20	0	27	0	67	67	0	80	200	01.0506	Turf Management
	100	—	—	53	0	—	—	14	13	7	0	26	0	0	01.0602	Recreation
409 Plant Farming, Other	112	33	7	—	—	33	13	13	7	33	0	—	—	7	•	
	747	80	6	88	6	53	0	113	7	66	0	347	33	0	01.0104	Farm Business Management
	520	60	113	93	60	60	40	147	53	153	27	7	40	473	01.0301	Agricultural Power & Machinery
	27	—	—	—	—	—	—	14	13	13	20	—	—	40	01.0501	Arboriculture
Subtotal	6,060	1,407	1,693	507	133	280	273	727	260	1,426	740	1,713	1,126	3,627		
Animal Farming Occupations																
411 Dairy Farming	286	40	0	73	13	40	0	100	19	33	0	—	—	14	01.0101	Animal Science
412 Poultry Farming	33	—	—	—	—	—	—	—	—	—	—	33	7	0	•	
	608	—	—	7	0	187	273	47	40	347	46	20	0	373	01.0101	Animal Science
	34	—	—	34	0	—	—	—	—	—	—	—	—	0	01.0299	Ag. Supplies & Services, Other
	133	—	—	13	0	7	0	—	—	113	0	—	—	7	01.0401	Food Products
413 Livestock Farming	6,660	2,847	453	1,473	247	1,173	147	947	94	180	33	40	0	899	01.0101	Animal Science
	13	13	0	—	—	—	—	—	—	—	—	—	—	0	01.0401	Food Products
419 Animal Farming, Other	139	—	—	13	0	—	—	106	40	7	—	13	0	20	01.0101	Animal Science
	7	—	—	—	—	—	—	—	—	7	7	—	—	7	01.99	Agriculture, Other
Subtotal	7,913	2,900	453	1,613	260	1,407	420	1,200	193	687	93	106	7	1,320		
Miscellaneous Farming and Related Occupations																
421 General Farming	18,180	2,846	507	3,040	174	3,094	280	4,806	527	3,800	513	594	53	1,747	01.01	Agricultural Production
422 Farm Irrigation	147	27	80	0	7	60	20	0	13	60	27	—	—	26	01.0304	Water Management
423 Farm Couples	0	—	—	0	13	—	—	—	—	—	—	—	—	0	•	
424 Farm Machinery Operating, Other	86	—	—	—	—	13	0	60	13	—	—	13	0	13	•	
	73	—	—	13	6	—	—	20	47	—	—	40	7	0	01.0301	Agricultural Power & Machinery
429 Miscellaneous Farming and Related Work, Other	13	13	0	—	—	—	—	—	—	—	—	—	—	0	01.01	Agricultural Production
	227	—	—	—	—	—	—	7	0	—	—	220	67	80	01.0102	Plant Science

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
	7	—	—	—	—	—	—	—	—	7	0	—	—	7	01.99	Agriculture, Other
Subtotal	18,733	2,886	587	3,053	200	3,167	300	4,893	600	3,867	540	867	127	1,873		
Fishery and Related Occupations																
436 Marine Life Cultivation and Related Work	13	—	—	—	—	—	—	—	—	—	—	13	0	0	01.0607	Fish (Including Farms and Hatcheries)
Subtotal	13	—	—	—	—	—	—	—	—	—	—	13	0	0		
Agricultural Service Occupations																
465 Blight and Pest Control and Bindweed Eradication	81	0	7	14	0	—	—	40	0	27	27	—	—	53	01.0201	Agricultural Chemicals
466 Animal Care	1,346	140	0	300	53	480	133	240	33	26	0	160	0	254	01.0401	Food Products
467 Animal Husbandry Services	33	—	—	—	—	—	—	—	—	—	—	33	0	0	01.0299	Ag. Supplies & Services, Other
469 Agricultural Services, Other	20	20	0	—	—	—	—	—	—	—	—	—	—	0		
Subtotal	1,480	160	7	314	53	480	133	280	33	53	27	193	0	307		
Self-Employed Farmers	52,120[a]	3,271[a]	83[b]	5,201[a]	110[b]	12,223[a]	215[b]	15,433[a]	273[b]	13,380[a]	225[b]	2,612[a]	45[b]	1,902[b]		
Total—Farming, Fishery, Forestry, and Related Occupations	86,319	10,624	3,023	10,688	756	17,557	1,341	22,533	1,359	19,413	1,625	5,504	1,305	9,029		

*No Vocational Instructional Training Program Listed.

[a]Nebraska Department of Agriculture, *1974 Nebraska Agriculture Statistics*, loc. cit.

[b]Douglas Genereaux, loc. cit.

TABLE 0
PROCESSING OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Processing of Metal																
500 Electroplating	67	—	—	—	—	—	—	—	—	67	7	—	—	7	*	
	20	—	—	—	—	—	—	—	—	—	—	20	0	0	17.2399	Metalworking, Other
501 Dip Plating	53	—	—	—	—	—	—	—	—	—	—	53	0	0	17.2399	Metalworking, Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
503 Pickling, Cleaning, Degreasing, and Related Work	100	—	—	—	—	—	—	—	—	—	—	100	0	0	•	
504 Heat Treating	20	—	—	—	—	—	—	—	—	—	—	20	0	0	17.24	Metallurgy
505 Metal Spraying, Coating, and Related Work	133	—	—	—	—	—	—	—	—	133	13	—	—	13	17.2399	Metalworking, Other
509 Metal Processing, Other	74	67	13	—	—	7	0	—	—	—	—	—	—	67	•	
Subtotal	467	67	13	—	—	7	0	—	—	200	20	193	0	87		
Ore Refining and Foundry Occupations																
519 Ore Refining and Foundry Work, Other	1,334	—	—	—	—	—	—	467	100	867	80	—	—	80	17.2301	Foundry
Subtotal	1,334	—	—	—	—	—	—	467	100	867	80	—	—	80		
Occupations in Processing of Food, Tobacco, and Related Products																
520 Mixing, Compounding,	393	—	—	—	—	14	0	20	0	—	—	359	40	72	•	
Blending, Kneading,	939	13	26	80	13	193	13	100	13	333	67	220	33	140	01.0202	Feeds
Shaping, and Related Work	107	—	—	—	—	—	—	—	—	100	40	7	0	100	17.2901	Baker
521 Separating, Crushing,	674	—	—	—	—	—	—	—	—	61	33	613	27	73	•	
Milling, Chopping, Grinding,	1,134	107	47	267	93	67	14	233	40	293	20	167	0	254	01.0202	Feeds
and Related Work	514	7	0	7	0	440	500	33	7	20	0	7	0	500	01.0401	Food Products
522 Culturing, Melting, Fermenting, Distilling, Saturating, Pickling, Aging, and Related Work	87	—	—	—	—	—	—	27	0	53	0	7	0	0	01.0401	Food Products
523 Heating, Rendering, Melting,	273	—	—	73	107	—	—	47	13	—	—	153	0	240	•	
Drying, Cooling, Freezing, and Related Work	101	—	—	—	—	47	46	7	0	—	—	47	0	113	01.0401	Food Products
524 Coating, Icing, Decorating,	46	—	—	33	0	13	0	—	—	—	—	—	—	0	•	
and Related Work	41	7	0	—	—	—	—	7	7	—	—	27	0	0	17.2901	Baker
525 Slaughtering, Breaking, Curing	499	53	0	33	0	—	—	7	0	26	0	380	13	34	•	
and Related Work	2,681	647	240	27	0	120	0	347	287	113	7	1,427	307	1,180	01.0401	Food Products
526 Cooking and Baking, Other	66	6	0	—	—	—	—	—	—	13	0	46	7	7	•	
	666	73	7	—	—	—	—	333	20	180	100	20	0	327	17.2901	Baker
	220	—	—	—	—	220	220	—	—	—	—	—	—	220	17.2999	Quantity Food Occupations, Other
529 Processing, Food and Related Products, Other	1,554	—	—	—	—	—	—	13	0	494	20	1,047	186	433	•	
	866	100	7	107	0	86	0	193	0	327	13	53	0	20	01.0202	Feeds
	1,053	80	80	100	0	300	240	86	0	400	13	87	0	327	01.0401	Food Products
Subtotal	11,913	1,093	407	727	213	1,500	1,033	1,513	387	2,413	313	4,667	613	4,040		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSYRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Processing of Paper and Related Materials																
539 Processing, Paper and Related Materials, Other	180	—	—	—	—	—	—	13	7	—	—	167	0	7	*	
Subtotal	180	—	—	—	—	—	—	13	7	—	—	167	0	7		
Occupations in Processing of Petroleum, Coal, Natural and Manufactured Gas, and Related Products																
540 Mixing and Blending	113	—	—	—	—	—	—	—	—	—	—	113	53	53	*	
Subtotal	113	—	—	—	—	—	—	—	—	—	—	113	53	53		
Occupations in Processing of Chemicals, Plastics, Synthetics, Rubber, Paint, and Related Products																
550 Mixing and Blending	175	—	—	—	—	—	—	20	7	41	0	114	47	213	*	
554 Coating, Calendering, Laminating, and Finishing	887	—	—	—	—	—	—	—	—	887	33	—	—	20	*	
556 Casting and Molding, Other	133	—	—	—	—	—	—	—	—	33	14	100	0	14	17 27	Plastics Occupations
558 Reacting, Other	213	—	—	—	—	—	—	—	—	—	—	213	0	0	*	
559 Processing, Chemicals and Related Products, Other	805	—	—	—	—	40	13	113	26	206	26	446	0	100	*	
Subtotal	2,213	—	—	—	—	40	13	133	33	1,167	73	873	47	347		
Occupations in Processing of Wood and Wood Products																
563 Saturating and Related Work, Other	7	—	—	—	—	7	7	—	—	—	—	—	—	0	*	
Subtotal	7	—	—	—	—	7	7	—	—	—	—	—	—	0		
Occupations in Processing of Stone, Clay, Glass, and Related Products																
570 Crushing, Grinding, and Mixing	274	—	—	20	0	—	—	20	13	194	0	40	0	0	*	
573 Baking, Drying, and Heat Treating	53	—	—	—	—	—	—	—	—	53	14	—	—	27	*	
574 Impregnating, Coating, and Glazing	13	—	—	—	—	—	—	13	0	—	—	—	—	0	*	
575 Forming	186	—	—	—	—	—	—	—	—	180	80	6	0	167	*	
579 Processing, Nonmetallic Minerals and Related Products, Other	1,887	—	—	40	0	—	—	127	60	1,533	653	187	20	1,246	*	
Subtotal	2,413	—	—	60	0	—	—	160	73	1,960	747	233	20	1,440		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Processing of Leather, Textiles, and Related Products																
582 Washing, Steaming, and Saturating	207	—	—	—	—	—	—	—	—	—	—	207	7	0	*	
589 Processing, Leather and Textiles, Other	60	—	—	—	—	—	—	60	13	—	—	—	—	27	*	
Subtotal	267	—	—	—	—	—	—	60	13	—	—	207	7	27		
Processing Occupations, Other																
599 Miscellaneous Processing, Other	140	—	—	13	0	67	67	—	—	—	—	60	0	67	*	
Subtotal	140	—	—	13	0	67	67	—	—	—	—	60	0	67		
Total—Processing Occupations	19,047	1,160	420	800	213	1,621	1,120	2,346	613	6,607	1,233	6,513	740	6,148		

*No Vocational Instructional Training Program Listed.

TABLE 7
MACHINE TRADES OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Metal Machining Occupations																
600 Machining and Related Work	3,873	53	7	220	40	47	33	540	67	1,180	467	1,833	787	1,854	17.2302	Machine Shop
601 Toolmaking and Related Work	1,587	—	—	—	—	—	—	53	0	774	133	760	186	547	17.2307	Tool-and-Die Making
603 Abrading	114	—	—	—	—	—	—	—	—	—	—	114	0	0	*	
	27	—	—	—	—	—	—	—	—	—	—	27	0	0	17.2303	Machine Tool Operation
604 Turning	40	—	—	—	—	—	—	—	—	—	—	40	7	0	17.2303	Machine Tool Operation
605 Milling and Planing	53	—	—	—	—	—	—	—	—	—	—	53	0	0	17.2303	Machine Tool Operation
606 Boring	100	—	—	—	—	—	—	14	0	46	0	40	0	0	17.2303	Machine Tool Operation
607 Sawing	7	—	—	—	—	—	—	7	0	—	—	—	—	0	17.2303	Machine Tool Operation
609 Metal Machining, Other	340	—	—	—	—	—	—	—	—	340	7	—	—	6	*	
	1,586	—	—	120	53	—	—	13	0	1,453	220	—	—	306	17.2302	Machine Shop
Subtotal	7,727	53	7	340	93	47	33	627	67	3,793	827	2,867	980	2,713		
Metalworking Occupations, Other																
610 Hammer Forging	73	—	—	40	0	20	0	7	0	—	—	6	0	0	17.2399	Metalworking, Other
611 Press Forging	1,333	—	—	—	—	—	—	—	—	1,333	40	—	—	40	17.2399	Metalworking, Other
612 Forging, Other	7	—	—	7	0	—	—	—	—	—	—	—	—	0	17.2399	Metalworking, Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
615 Punching and Shearing	380	—	—	—	—	—	—	—	—	333	33	47	0	33	17.2303	Machine Tool Operation
616 Fabricating Machine Work	1,120	—	—	—	—	—	—	73	27	280	67	767	60	107	17.2304	Metal Trades, Combined
	160	—	—	—	—	7	0	—	—	133	33	20	0	0	17.2305	Sheet Metal
617 Metal Forming, Other	80	—	—	—	—	—	—	—	—	—	—	80	7	7	17.2304	Metal Trades, Combined
619 Miscellaneous Metalworking, Other	20	—	—	—	—	—	—	—	—	—	—	20	0	0	17.2303	Machine Tool Operation
	1,240	—	—	—	—	20	0	6	0	307	0	907	206	200	17.2304	Metal Trades, Combined
Subtotal	4,413	—	—	47	0	47	0	86	27	2,386	173	1,847	273	387		
Mechanics and Machinery Repairers																
620 Motorized Vehicle and Engineering Equipment Repairing	140	13	0	—	—	—	—	46	0	67	0	14	0	0	*	
	227	—	—	—	—	33	6	27	7	167	67	—	—	67	01.0301	Agricultural Power and Machinery
	20	—	—	—	—	7	0	—	—	13	0	—	—	0	17.03	Automotive Services
	7,639	473	74	866	113	820	67	1,067	160	1,893	346	2,520	400	1,574	17.0302	Mechanics
	219	47	0	40	13	6	0	26	0	33	20	67	0	60	17.0303	Specialization, Other
	2,150	60	27	73	33	6	27	206	33	192	20	1,613	180	274	17.1003	Heavy Equipment (Const.)
	87	—	—	—	—	7	0	47	13	33	13	—	—	27	17.31	Small Engine Repair, Internal Combustion
	26	—	—	—	—	—	—	—	—	13	0	13	0	0	04.03	Automotive
621 Aircraft Repairing	226	—	—	13	7	—	—	0	7	0	7	213	13	13	17.0401	Aircraft Maintenance
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.0402	Aircraft Operations
623 Marine Equipment Repairing	20	—	—	20	0	—	—	—	—	—	—	—	—	0	17.32	Marine Occupations
624 Farm Machinery Repairing	2,641	193	33	307	53	347	47	801	147	800	154	193	40	354	01.0301	Agricultural Power & Machinery
625 Engine, Power Transmission, and Related Equipment Repairing	425	33	26	—	—	26	7	0	13	93	13	273	20	106	17.12	Diesel Mechanics
	147	—	—	20	0	—	—	—	—	87	27	40	20	53	17.31	Small Engine Repair, Internal Combustion
626 Metalworking Machinery Repairing	33	—	—	—	—	20	20	13	0	—	—	—	—	0	*	
627 Printing and Publishing Machinery Repairing	54	—	—	7	0	—	—	—	—	27	0	20	0	0	*	
629 Special Industry Machinery Repairing	68	7	0	7	0	7	0	20	0	20	0	7	0	0	*	
630 General Industry Machinery Repairing	61	7	0	7	0	13	0	—	—	7	0	27	0	0	*	
	33	—	—	—	—	—	—	—	—	—	—	33	13	0	17.1003	Heavy Equipment (Const.)
632 Ordinance and Accessory Repairing	14	—	—	7	0	—	—	—	—	7	0	—	—	0	*	
633 Business and Commercial Machine Repairing	13	—	—	—	—	—	—	—	—	—	—	13	0	0	*	
	333	—	—	73	7	27	0	20	0	140	13	73	0	33	17.06	Business Mach. Maintenance
637 Utility Equipment Repairing	54	—	—	7	7	—	—	—	—	40	7	7	0	12	17.01	Air Conditioning
	168	—	—	—	—	—	—	7	0	34	13	127	20	13	17.0101	Cooling
	480	80	0	20	0	54	7	33	0	73	7	220	40	107	17.0202	Gas Appliances

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
638 Miscellaneous Machine Installation and Repair	773	0	7	6	0	20	0	253	33	167	20	327	7	20	*	
	7	—	—	—	—	—	—	—	—	7	0	—	—	0	16.0113	Mechanical Technology
	27	—	—	—	—	—	—	27	0	—	—	—	—	0	17.1099	Construction and Maintenance Trades, Other
639 Mechanical Repairing, Other	396	—	—	20	7	7	6	54	7	120	0	194	20	40	*	
Subtotal	16,487	913	167	1,493	240	1,400	187	2,647	420	4,033	727	6,001	773	2,753		
Paperworking Occupations																
640 Paper Cutting, Winding, and Related Work	27	—	—	—	—	—	—	27	27	—	—	—	—	27	*	
641 Folding, Creasing, Scoring, and Gluing	13	—	—	—	—	—	—	—	—	13	0	—	—	0	*	
643 Paper Corrugating	1,900	—	—	—	—	—	—	13	0	1,667	180	220	153	480	*	
649 Paperworking, Other	173	—	—	—	—	—	—	107	0	33	0	33	0	0	*	
Subtotal	2,113	—	—	—	—	—	—	147	27	1,713	180	253	153	507		
Printing Occupations																
650 Typesetting and Composing	186	100	13	20	0	—	—	13	13	20	7	33	0	20	17.1901	Composition, Make-Up and Typesetting
651 Printing Press Work	3,000	127	0	80	7	13	0	67	20	1,313	113	1,400	434	961	17.1902	Printing Press Occupations
652 Printing Machine Work	232	—	—	—	—	—	—	186	7	20	13	26	0	40	*	
653 Bookbinding and Related Work	254	13	0	14	0	—	—	7	0	100	20	120	33	106	17.1906	Bookbinding
659 Printing, Other	0	—	—	—	—	—	—	—	—	0	47	—	—	13	*	
	67	—	—	—	—	—	—	—	—	40	0	27	0	0	17.19	Graphic Arts Occupations
	7	—	—	—	—	7	0	—	—	—	—	—	—	0	17.1906	Bookbinding
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.1999	Graphic Arts, Other
Subtotal	3,753	240	13	114	7	20	0	273	40	1,493	200	1,613	467	1,140		
Wood Machining Occupations																
660 Cabinetmaking	321	54	13	—	—	—	—	—	—	140	40	127	33	80	17.3601	Millwork and Cabinetmaking
665 Milling and Planing	40	—	—	27	13	—	—	—	—	13	0	—	—	13	17.3601	Millwork and Cabinetmaking
666 Boring	12	—	—	6	0	6	0	—	—	—	—	—	—	0	*	
667 Sawing	60	—	—	—	—	—	—	—	—	47	0	13	13	20	17.3601	Millwork and Cabinetmaking
	20	—	—	—	—	—	—	—	—	—	—	20	0	0	17.3699	Woodworking, Other
668 Chipping	20	—	—	—	—	20	13	—	—	—	—	—	—	0	17.3699	Woodworking, Other
669 Wood Machining, Other	40	—	—	—	—	—	—	—	—	—	—	40	7	13	*	
	440	200	27	—	—	—	—	—	—	7	0	233	20	47	17.3601	Millwork and Cabinetmaking
Subtotal	953	254	40	33	13	26	13	—	—	207	40	433	73	173		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Machining Stone, Clay, Glass, and Related Materials																
677 Chipping, Cutting, Sawing, and Related Work	14	—	—	—	—	—	—	—	—	14	0	—	—	0	*	
Subtotal	14	—	—	—	—	—	—	—	—	14	0	—	—	0		
Textile Occupations																
681 Twisting, Beaming, Warping, and Related Work	107	—	—	—	—	—	—	107	7	—	—	—	—	67	17.3399	Textile Production & Fabrication, Other
683 Weaving and Related Work	93	—	—	—	—	—	—	93	13	—	—	—	—	20	*	
	974	—	—	—	—	—	—	307	66	667	127	—	—	153	17.3399	Textile Production & Fabrication, Other
689 Textile Machine Work, Other	406	—	—	—	—	—	—	406	107	—	—	—	—	200	*	
Subtotal	1,580	—	—	—	—	—	—	913	193	667	127	—	—	440		
Machine Trade Occupations, Other																
690 Plastics, Synthetics, Rubber, and Leather Working	60	—	—	—	—	—	—	—	—	60	13	—	—	13	*	
692 Fabrication of Products from Assorted Materials	33	—	—	—	—	—	—	26	0	7	7	—	—	20	*	
699 Miscellaneous Machine Work, Other	267	—	—	—	—	—	—	20	0	207	33	40	7	67	*	
Subtotal	360	—	—	—	—	—	—	46	0	274	53	40	7	100		
Total—Machine Trades Occupations	37,400	1,460	227	2,027	353	1,540	233	4,739	774	14,580	2,327	13,054	2,72[illegible]	8,213		

*No Vocational Instructional Training Program Listed.

TABLE 8
BENCH WORK OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Fabrication, Assembly, and Repair of Metal Products, Other																
700 Fabrication, Assembly, and Repair of Jewelry, Silverware, and Related Products	206	—	—	13	0	20	0	40	0	80	0	53	0	0	*	
701 Fabrication, Assembly, and Repair of Tools and Related Products	7	—	—	—	—	—	—	—	—	7	0	—	—	0	*	
704 Engraving, Etching, and Related Work	7	—	—	—	—	—	—	—	—	—	—	7	0	0	*	
	87	—	—	—	—	—	—	—	—	—	—	87	0	0	17.2399	Metalworking, Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
705 Filing, Grinding, Buffing, Cleaning, and Polishing, Other	13	—	—	—	—	—	—	—	—	—	—	13	0	0	17.2399	Metalworking, Other
706 Metal Unit Assembling and Adjusting, Other	3,233	—	—	—	—	100	0	13	0	2,413	107	707	367	827	*	
709 Fabrication, Assembly, and Repair of Metal Products, Other	67	—	—	—	—	—	—	—	—	14	0	53	0	6	*	
Subtotal	3,620	—	—	13	0	120	0	53	0	2,514	107	920	367	833		
Occupations in Fabrication and Repair of Scientific and Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products																
710 Fabrication and Repair of Instruments for Measuring, Controlling, and Indicating Physical Characteristics	7	—	—	—	—	—	—	—	—	7	0	—	—	0	*	
	73	—	—	—	—	40	0	13	0	—	—	20	0	0	17.2101	Instruments, Other Than Watches and Clocks
711 Fabrication and Repair of Optical Instruments and Lenses	7	—	—	7	0	—	—	—	—	—	--	—	—	0	*	
	280	—	—	—	—	—	—	27	7	—	--	253	60	0	17.2101	Instruments, Other Than Watches and Clocks
712 Fabrication and Repair of Surgical, Medical, and Dental Instruments and Supplies	20	—	—	—	—	—	—	—	—	—	—	20	0	0	*	
	280	—	—	13	0	—	—	13	6	33	7	221	0	27	07.0103	Dental Lab. Technology
	113	—	—	—	—	—	—	—	—	—	—	113	13	27	07.0404	Orthotics
713 Fabrication and Repair of Ophthalmic Goods	134	—	—	7	0	—	—	27	0	20	0	80	7	20	07.0601	Ophthalmic Dispensing
	53	—	—	—	—	—	—	—	—	--	—	53	7	13	17.2101	Instruments, Other Than Watches and Clocks
714 Fabrication and Repair of Photographic Equipment and Supplies	40	—	—	7	0	—	—	26	0	—	—	7	0	0	17.2101	Instruments, Other Than Watches and Clocks
715 Fabrication and Repair of Watches, Clocks, and Parts	86	—	—	26	7	—	—	20	0	20	6	20	0	0	17.2102	Watchmaking and Repair
Subtotal	1,093	—	—	60	7	40	0	126	13	80	13	787	87	87		
Occupations in Assembly and Repair of Electrical Equipment																
720 Assembly and Repair of Radio and Television Receiving Sets and Phonographs	33	—	—	—	—	—	—	—	—	—	—	33	0	0	*	
	535	7	0	27	6	—	—	140	20	147	26	214	40	73	17.1503	Radio and Television
721 Assembly and Repair of Motors, Generators, and Related Products	165	13	0	73	0	13	7	20	0	—	—	46	0	13	17.1403	Motor Repairers
722 Communications Equipment Assembly and Repair	20	—	—	—	—	—	—	—	—	20	0	—	—	0	*	
723 Assembly and Repair of Electrical Appliances and Fixtures	13	—	—	—	—	—	—	—	—	—	—	13	7	0	*	
	294	13	7	20	20	7	0	27	0	40	7	187	66	173	17.0201	Electrical Appliances

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
724 Winding and Assembly of Coils, Magnets, Armatures, and Related Products	27	—	—	27	7	—	—	—	—	—	—	—	—	14	*	
	33	—	—	33	7	—	—	—	—	—	—	—	—	14	17.1403	Motor Repairers
	93	—	—	—	—	—	—	—	—	93	0	—	—	0	17.1502	Industrial Electronics
726 Assembly and Repair of Electronic Components and Accessories, Other	40	—	—	—	—	—	—	—	—	40	0	—	—	0	*	
	233	87	40	53	13	—	—	—	—	86	0	7	0	53	17.15	Electronics Occupations
727 Storage Battery Assembly	7	—	—	—	—	—	—	7	0	—	—	—	—	0	*	
728 Fabrication of Electrical Wires and Cable	127	—	—	—	—	—	—	—	—	127	0	—	—	0	*	
729 Assembly and Repair of Electrical Equipment, Other	93	—	—	—	—	—	—	—	—	—	—	93	0	0	*	
	34	—	—	—	—	—	—	—	—	—	—	34	0	0	16.0108	Electronic Technology
	6	—	—	—	—	—	—	6	0	—	—	—	—	0	17.1401	Industrial Electricians
Subtotal	1,753	120	47	233	33	20	7	200	20	553	33	627	113	340		
Occupations in Fabrication and Repair of Products Made From Assorted Materials																
730 Fabrication and Repair of Musical Instruments and Goods	114	40	0	7	0	—	—	27	7	40	0	—	—	7	*	
732 Fabrication and Repair of Sporting Goods	33	—	—	—	—	—	—	—	—	—	—	33	0	0	*	
735 Fabrication and Repair of Jewelry, Other	13	—	—	—	—	—	—	—	—	—	—	13	0	0	*	
737 Fabrication of Ammunition, Fireworks, Explosives, and Related Products	333	—	—	—	—	—	—	—	—	—	—	333	167	333	*	
739 Fabrication and Repair of Products Made From Assorted Materials, Other	707	—	—	200	33	360	40	33	20	87	13	27	6	146	*	
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.3601	Millwork and Cabinetmaking
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.3699	Woodworking, Other
	26	—	—	—	—	26	13	—	—	—	—	—	—	27	17.3399	Textile Production and Fabrication, Other
Subtotal	1,240	40	0	207	33	386	53	60	27	127	13	420	173	513		
Painting, Decorating, and Related Occupations																
741 Spray Painting	407	34	27	13	7	73	13	67	13	27	0	193	7	173	*	
Subtotal	407	34	27	13	7	73	13	67	13	27	0	193	7	173		
Occupations in Fabrication and Repair of Plastics, Synthetics, Rubber, and Related Products																
750 Fabrication and Repair of Tires, Tubes, Tire Treads, and Related Products	33	—	—	—	—	—	—	20	0	13	0	—	—	0	*	

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
752 Fitting, Shaping, Cementing, Finishing, and Related Work, Other	60	60	0	—	—	—	—	—	—	—	—	—	—	27	*	
754 Fabrication and Repair of Miscellaneous Plastic Products	80	—	—	—	—	—	—	—	—	—	—	80	47	47	*	
Subtotal	173	60	0	—	—	—	—	20	0	13	0	80	47	74		
Occupations in Fabrication and Repair of Wood Products																
761 Laying Out, Cutting, Carving, Shaping, and Sanding Wood Products, Other	7	—	—	—	—	—	—	—	—	—	—	7	0	0	*	
762 Assembly of Wood Products, Other	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.3601	Millwork and Cabinetmaking
763 Fabrication and Repair of Furniture, Other	113	—	—	13	0	—	—	—	—	—	—	100	33	40	*	
769 Fabrication and Repair of Wood Products, Other	260	—	—	—	—	—	—	—	—	—	—	260	67	140	17.3601	Millwork and Cabinetmaking
Subtotal	13	—	—	—	—	—	—	—	—	—	—	13	40	74	*	
	7	—	—	7	20	—	—	—	—	—	—	--	—	33	17.3601	Millwork and Cabinetmaking
	407	—	—	20	20	—	—	—	—	—	—	387	140	297		
Occupations in Fabrication and Repair of Sand, Stone, Clay, and Glass Products																
771 Stone Cutting and Carving	87	7	13	—	—	20	27	7	0	26	0	27	0	20	*	
774 Fabrication and Repair of Pottery and Porcelain Work	13	—	—	—	—	—	—	—	—	—	—	13	13	14	*	
775 Grinding, Filing, Polishing, Frosting, Etching, Cleaning, and Related Work, Other	13	—	—	—	—	—	—	—	—	—	—	13	7	0	*	
779 Fabrication and Repair of Sand, Stone, Clay, and Glass Products, Other	7	—	—	—	—	—	—	—	—	7	0	—	—	0	17.27	Plastics Occupations
Subtotal	120	7	13	—	—	20	27	7	0	33	0	53	20	34		
Occupations in Fabrication and Repair of Textile, Leather, and Related Products																
780 Upholstering and Mattress and Bedspring Fabrication and Repair	486	—	—	13	0	—	—	—	—	—	—	473	267	533	*	
	273	20	0	—	—	—	—	—	—	—	—	253	133	267	17.34	Leatherworking
	627	—	—	47	0	7	0	—	—	40	20	533	100	186	17.35	Upholstery
781 Laying Out, Marking, Cutting, and Punching, Other	200	—	—	—	—	—	—	67	20	133	27	—	—	20	17.3399	Textile Production and Fabrication, Other
782 Handsewing, Mending, Embroidering, Knitting, and Related Work, Other	88	27	0	7	0	—	—	40	0	7	0	7	0	0	17.16	Fabric Maintenance Services
	20	—	—	—	—	—	—	—	—	—	—	20	0	0	17.3399	Textile Production and Fabrication, Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
785 Tailoring and Dressmaking	13	—	—	—	—	6	0	7	0	—	—	—	—	0	09.0202	Clothing Mgt., Production, and Services
	53	—	—	—	—	7	0	6	0	7	7	33	0	0	17.3301	Dressmaking
	248	20	0	73	0	7	0	14	0	93	13	41	6	40	17.3302	Tailoring
786 Machine Sewing, Garment	840	—	—	—	—	—	—	—	—	733	0	107	14	7	17.3399	Textile Production and Fabrication, Other
787 Machine Sewing, Nongarment	93	—	—	20	0	—	—	—	—	73	20	—	—	20	09.0204	Home Furnishings, Eqp. and Services
	786	—	—	33	0	—	—	100	53	400	140	253	33	140	17.3399	Textile Production and Fabrication, Other
789 Fabrication and Repair of Textile, Leather, and Related Products, Other	59	—	—	—	—	—	—	33	0	26	0	—	—	0	•	
	14	—	—	—	—	—	—	—	—	14	0	—	—	0	17.34	Leatherworking
Subtotal	3,500	67	0	193	0	27	0	267	73	1,526	227	1,720	553	1,213		
Bench Work Occupations, Other																
794 Fabrication of Paper Products, Other	934	—	—	—	—	—	—	587	94	—	—	347	173	413	•	
Subtotal	934	—	—	—	—	—	—	587	94	—	—	347	173	413		
Total—Bench Work Occupations	13,547	328	87	739	120	686	100	1,387	240	4,873	393	5,534	1,680	3,967		

*No Vocational Instructional Training Program Listed.

TABLE 9
STRUCTURAL WORK OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Metal Fabricating, Other																
801 Fitting, Bolting, Screwing, and Related Work	853	53	33	40	0	—	—	66	13	234	67	460	54	173	17.1099	Construction & Maintenance Trades, Other
804 Sheet Metal Work	1,847	—	—	—	—	—	—	7	0	507	900	1,333	0	1,800	17.1304	Metal Trades, Combined
	3,080	13	7	80	54	20	0	307	87	313	13	2,347	120	260	17.1305	Sheet Metal
805 Boilermaking and Related Work	253	—	—	—	—	—	—	—	—	253	113	—	—	113	17.1099	Construction & Maintenance Trades, Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
														200	•	
806 Transportation Equipment Assembling and Related Work	40	40	60	—	—	—	—	—	—	—	—	—	—			
	173	20	20	13	33	20	7	20	0	73	0	27	6	120	17.03	Automotive Services
	60	—	—	—	—	—	—	—	—	47	14	13	0	27	17.0303	Specialization, Other
	53	—	—	—	—	—	—	—	—	—	—	53	26	40	17.0401	Aircraft Maintenance
	267	—	—	—	—	—	—	267	133	—	—	—	—	133	17.3601	Millwork and Cabinetmaking
														347	•	
807 Body Work, Transportation Equipment	74	74	93	—	—	—	—	—	—	—	—	—	—			
	1,613	140	27	267	33	93	13	193	13	340	113	580	67	400	17.0301	Body and Fender
	7	—	—	—	—	—	—	—	—	—	—	7	0	0	17.0401	Aircraft Maintenance
	26	—	—	—	—	—	—	—	—	—	—	26	7	20	17.0303	Specialization, Other
809 Miscellaneous Metal Fabricating, Other	300	—	—	—	—	—	—	140	0	26	0	134	0	0	•	
Subtotal	8,646	340	240	400	120	133	20	1,000	246	1,793	1,220	4,980	280	3,633		
Welders, Flame Cutters, and Related Occupations																
810 Arc Welding	1,399	146	160	233	13	53	6	173	40	107	13	687	160	747	17.2306	Welding and Cutting
812 Combination Arc and Gas Welding	2,853	27	0	94	13	213	107	533	133	593	60	1,393	226	386	17.2306	Welding and Cutting
815 Lead Burning	7	—	—	—	—	—	—	7	0	—	—	—	—	0	•	
816 Flame and Arc Cutting	7	—	—	—	—	—	—	7	0	—	—	—	—	0	17.2306	Welding and Cutting
819 Welding, Flame Cutting, and Related Work, Other	7	—	—	—	—	—	—	—	—	7	0	—	—	0	17.2306	Welding and Cutting
Subtotal	4,273	173	160	327	26	266	113	720	173	707	73	2,080	386	1,133		
Electrical Assembling, Installing, and Repairing Occupations																
820 Generator, Motor, and Related Powerplant Equipment Assembly, Installation, and Repair	33	—	—	—	—	—	—	—	—	33	0	—	—	0	17.1401	Industrial Electricians
														0	•	
821 Transmission and Distribution Line and Circuit Assembly, Installation, and Repair	27	—	—	—	—	—	—	—	—	27	0	—	—	0	•	
	1,027	14	0	127	53	173	13	207	47	213	13	293	173	127	17.1402	Line Installers
822 Wire Communication, Detection, and Signaling Equipment Assembly, Installation, and Repair	27	—	—	—	—	7	0	—	—	20	0	—	—	0	•	
	114	67	6	14	0	—	—	—	—	33	0	—	—	7	17.1402	Line Installers
	314	27	0	73	0	13	0	67	7	114	0	20	0	20	17.1501	Communications
823 Electronic Communication, Detection, and Signaling Equipment Assembly, Installation and Repair	107	—	—	0	6	—	—	—	—	—	—	107	7	13	•	
824 Lighting Equipment and Building Wiring Assembly, Installation and Repair, Other	2,173	20	20	147	13	166	26	213	33	193	27	1,434	133	227	17.1002	Electricity

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number — Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
825 Transportation and Materials Handling Equipment Assembly, Installation and Repair, Other	7	7	7	—	—	—	—	—	—	—	—	—	—	0	17.0303	Specialization, Other
	20	—	—	—	—	—	—	—	—	—	—	20	0	0	17.0401	Aircraft Maintenance
827 Large Household Appliance and Similar Commercial and Industrial Equipment Assembly, Installation, and Repair	20	—	—	20	7	—	—	—	—	—	—	—	—	6	*	
	186	13	13	20	0	—	—	40	6	—	—	113	13	47	17.0101	Cooling
	293	13	0	100	0	27	0	67	20	60	6	26	7	33	17.02	Appliance Repair
	179	33	13	27	7	—	—	19	0	80	20	20	0	20	17.0201	Electrical Appliances
828 Electrical and Electronic Product Fabrication, Installation, and Repair, Other	140	7	7	—	—	—	—	—	—	73	0	60	7	7	16.0108	Electronic Technology
	26	26	0	—	—	—	—	—	—	—	—	—	—	0	*	
829 Assembly, Installation, and Repair of Electrical Products, Other	226	13	0	40	0	7	0	—	—	86	47	80	20	20	17.1002	Electricity
	3,413	—	—	—	—	—	—	13	7	27	7	3,373	407	0	17.14	Electrical Occupations
	87	—	—	27	0	13	0	20	0	7	0	20	0	13	17.1401	Industrial Electricians
	954	—	—	—	—	—	—	—	—	7	0	947	333	13	17.1402	Line Installer
Subtotal	9,373	240	66	595	86	406	39	646	120	973	120	6,513	1,100	553		
Painting, Plastering, Waterproofing, Cementing, and Related Occupations																
840 Construction and Maintenance Painting and Related Work	807	47	7	60	7	107	13	107	47	173	73	313	93	260	17.1005	Painting & Decorating
	73	—	—	—	—	—	—	—	—	—	—	73	13	27	17.1008	Drywall Installation
841 Paperhanging	13	7	0	—	—	—	—	—	—	6	13	—	—	7	17.1005	Painting & Decorating
842 Plastering and Related Work	220	13	0	33	0	13	0	—	—	54	0	107	13	26	17.1006	Plastering
	673	—	—	193	47	—	—	33	20	133	60	314	40	213	17.1008	Drywall Installation
843 Waterproofing and Related Work	20	—	—	—	—	—	—	—	—	—	—	20	7	0	*	
	20	—	—	—	—	—	—	—	—	7	20	13	0	0	17.1005	Painting & Decorating
844 Cement and Concrete Finishing and Related Work	2,647	146	66	40	26	107	20	107	0	660	127	1,587	400	440	17.1099	Construction & Maintenance Trades, Other
845 Transportation Equipment Painting and Related Work	13	—	—	—	—	—	—	—	—	—	—	13	7	13	*	
	147	7	0	20	0	13	0	13	0	—	—	94	7	27	17.0301	Body and Fender
849 Painting, Plastering, Waterproofing, Cementing, and Related Work, Other	113	—	—	—	—	—	—	—	—	20	7	93	0	0	*	
Subtotal	4,746	220	73	346	80	240	33	260	67	1,053	300	2,627	580	1,013		
Excavating, Grading, Paving, and Related Occupations																
850 Excavating, Grading, and Related Work	747	—	—	227	67	393	0	67	100	7	0	53	27	187	*	
	1,966	60	7	80	46	147	0	533	173	499	327	647	193	794	17.1003	Heavy Equipment (Const.)
851 Drainage and Related Work	1,820	—	—	393	0	267	0	720	207	20	7	220	20	313	17.1003	Heavy Equipment (Const.)
	147	—	—	47	13	—	—	—	—	73	33	27	27	53	17.1007	Plumbing and Pipefitting
852 Concrete Paving	433	—	—	—	—	—	—	433	200	—	—	—	—	266	*	
	127	—	—	—	—	—	—	67	0	—	—	60	32	40	17.1003	Heavy Equipment (Const.)
	0	—	—	—	—	—	—	—	—	—	—	0	40	80	17.1099	Construction & Maintenance Trades, Other

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
853 Asphalt Paving	440	—	—	—	—	—	—	440	207	—	—	—	—	267	*	
	280	—	—	—	—	—	—	187	0	67	13	26	0	13	17.1003	Heavy Equipment (Const.)
859 Excavating, Grading, Paving, and Related Work, Other	46	20	0	—	—	—	—	13	0	13	0	—	—	0	*	
	1,064	26	0	133	0	306	113	286	99	60	13	253	27	140	17.1003	Heavy Equipment (Const.)
	33	—	—	—	—	33	0	—	—	—	—	—	—	13	17.1004	Masonry
Subtotal	6,903	106	7	880	126	1,146	113	2,746	986	739	393	1,286	366	2,166		
Construction Occupations, Other																
860 Carpentry and Related Work	10,445	400	246	400	93	799	166	1,393	133	2,827	886	4,626	993	2,820	17.1001	Carpentry
861 Brick and Stone Masonry and Tile Setting	315	20	0	80	60	14	7	40	13	47	0	114	46	161	*	
	1,366	26	0	47	33	40	0	260	26	493	120	500	120	341	17.1004	Masonry
862 Plumbing, Gas Fitting, Steam Fitting, and Related Work	616	47	0	80	0	61	20	120	40	147	381	161	33	452	*	
	106	—	—	—	—	—	—	—	—	20	0	86	7	0	17.0102	Heating
	2,547	280	20	200	20	300	7	354	73	513	507	900	47	874	17.1007	Plumbing and Pipefitting
863 Asbestos and Insulation Work	520	13	0	—	—	—	—	—	—	40	14	467	100	26	17.1099	Construction & Maintenance Trades, Other
864 Floor Laying and Finishing Work	7	—	—	7	0	—	—	—	—	—	—	—	—	0	*	
	240	20	0	—	—	—	—	13	7	87	0	120	13	20	17.1099	Construction & Maintenance Trades, Other
865 Glass Setting and Related Work	347	—	—	40	0	—	—	67	7	53	0	187	47	0	17.1009	Glazing
866 Roofing and Related Work	910	113	7	13	0	33	0	[illegible]	27	119	26	553	207	440	17.1010	Roofing
869 Miscellaneous Construction Work, Other	6,113	60	13	420	254	53	7	1,100	260	460	146	4,020	1,313	2,867	*	
	234	14	14	20	0	20	0	33	0	7	0	140	0	39	17.0102	Heating
	246	—	—	—	—	—	—	87	7	73	0	86	0	0	17.10	Construction & Maintenance Trades
	107	—	—	—	—	—	—	—	—	107	0	—	—	0	17.1003	Heavy Equipment (Const.)
	34	—	—	—	—	—	—	—	—	34	20	—	—	13	17.1007	Plumbing & Pipefitting
	53	—	—	6	0	—	—	—	—	20	40	27	0	0	17.1099	Construction & Maintenance Trades, Other
Subtotal	24,206	993	300	1,313	460	1,320	207	3,546	593	5,047	2,140	11,987	2,926	8,053		
Structural Work Occupations, Other																
891 Structural Maintenance, Other	100	—	—	20	7	—	—	7	0	13	0	60	0	14	*	
892 Hoisting and Conveying, Other	7	—	—	—	—	7	0	—	—	—	—	—	—	0	*	
899 Miscellaneous Structural Work, Other	1,240	27	0	47	14	26	7	579	0	221	0	340	59	119	*	
	2,566	266	7	180	26	180	93	420	0	793	107	727	107	427	17.10	Construction & Maintenance Trades
Subtotal	3,913	293	7	247	47	213	100	1,006	0	1,027	107	1,127	166	560		
Total—Structural Work Occupations	62,060	2,365	853	4,108	945	3,724	625	9,924	2,185	11,339	4,353	30,600	5,804	17,111		

*No Vocational Instructional Training Program Listed.

TABLE 10
MISCELLANEOUS OCCUPATIONS

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Motor Freight Occupations																
900 Concrete-Mixing-Truck Driving	900	—	—	73	0	—	—	127	6	267	27	433	33	40	•	
902 Dump-Truck Driving	721	—	—	147	46	114	7	220	140	33	0	207	47	133	•	
903 Truck Driving, Inflammables	1,667	100	13	327	7	353	13	313	7	407	27	167	0	113	•	
904 Trailer-Truck Driving	2,013	280	60	173	7	333	0	507	53	473	73	247	27	180	•	
905 Heavy Truck Driving	7,647	167	254	400	80	840	120	813	227	1,227	253	4,200	1,420	3,347	•	
906 Light Truck Driving	2,394	120	87	240	33	220	87	354	40	587	127	873	213	773	•	
909 Motor Freight Transportation	2,125	93	13	40	27	107	20	86	0	633	306	1,166	180	554	•	
Other	213	—	—	—	—	—	—	—	—	13	0	200	0	33	04.19	Transportation
Subtotal	17,680	760	427	1,400	200	1,967	247	2,420	473	3,640	813	7,493	1,920	5,173		
Transportation Occupations, Other																
910 Railroad Transportation	13	—	—	—	—	—	—	—	—	—	—	13	0	0	•	
912 Air Transportation	119	—	—	13	0	—	—	13	7	—	—	93	27	40	•	
	20	—	—	20	0	—	—	—	—	—	—	—	—	0	04.19	Transportation
	60	27	7	—	—	—	—	13	0	20	0	—	—	0	17.0403	Ground Operations
913 Passenger Transportation	181	—	—	20	0	—	—	67	13	47	0	47	0	0	•	
Other	4,234	60	0	300	6	653	53	580	60	894	107	1,747	4,880	9,701	04.19	Transportation
914 Pumping and Pipeline Transportation	53	20	0	—	—	33	7	—	—	—	—	—	—	0	17.3202	Pumping Plants
915 Parking Lot and Related Service Work	594	20	7	293	7	14	0	87	20	86	7	94	20	54	•	
	127	—	—	7	0	—	—	13	0	67	33	40	13	53	04.03	Automotive
	6,959	727	133	880	100	893	273	1,300	360	1,966	420	1,193	253	1,046	04.16	Petroleum
919 Miscellaneous Transportation Work, Other	2,293	193	40	160	14	993	73	520	53	174	26	253	34	246	•	
	33	—	—	—	—	—	—	—	—	33	7	—	—	20	04.03	Automotive
	61	—	—	27	0	7	7	—	—	27	0	—	—	27	04.08	General Merchandise
	46	—	—	6	0	7	0	—	—	—	—	33	0	0	04.19	Transportation
	107	13	0	14	0	—	—	—	—	13	0	67	0	0	14.0505	Traffic, Rate, and Transportation Clerks
Subtotal	14,900	1,060	187	1,740	127	2,600	413	2,593	513	3,327	600	3,580	5,227	11,187		
Packaging and Materials Handling Occupations																
920 Packaging	3,653	27	27	140	60	246	126	346	54	1,320	794	1,574	187	800	•	
	593	—	—	80	26	140	40	213	93	140	53	20	0	213	04.06	Food Distribution
921 Hoisting and Conveying	573	87	7	20	7	—	—	273	7	160	53	33	0	87	•	
	534	7	0	—	—	7	0	—	—	80	0	440	7	7	17.1003	Heavy Equipment (Const.)
922 Materials Moving and Storing, Other	1,080	26	20	27	0	80	67	74	7	47	40	806	73	80	•	
	13	—	—	—	—	—	—	—	—	13	0	—	—	0	04.19	Transportation
	3,673	60	7	173	0	340	287	47	6	420	147	2,633	320	780	04.20	Retail Trade, Other
929 Packaging and Materials Handling, Other	633	40	26	26	0	87	13	13	0	314	40	153	26	140	•	
	931	40	7	147	27	60	20	307	47	240	53	167	47	140	04.09	Hdwe., Bldg. Mat., Farm & Garden Sup. & Eqp.
	2,954	53	26	7	0	—	—	747	66	1,140	27	1,007	133	320	04.19	Transportation
Subtotal	14,647	340	120	620	120	960	553	2,020	280	3,874	1,207	6,833	793	2,567		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Extraction of Minerals																
930 Boring, Drilling, Cutting, and Related Work	354	287	100	—	—	27	13	—	—	—	—	60	13	147	•	
932 Loading and Conveying	13	—	—	—	—	—	—	13	60	—	—	—	—	0	•	
939 Extraction of Minerals, Other	140	—	—	—	—	—	—	—	—	140	0	—	—	0	•	
Subtotal	507	287	100	—	—	27	13	13	60	140	0	60	13	147		
Occupations in Logging																
940 Timber Cutting and Related Work	7	—	—	—	—	—	—	—	—	—	—	7	0	0	•	
Subtotal	7	—	—	—	—	—	—	—	—	—	—	7	0	0		
Occupations in Production and Distribution of Utilities																
950 Stationary Engineering	6	—	—	—	—	—	—	6	0	—	—	—	—	0	•	
	94	—	—	—	—	—	—	67	7	20	0	7	0	0	17.30	Refrigeration
	187	—	—	13	0	—	—	47	0	67	0	60	0	0	17.32	Stationary Energy Sources, Other
	33	—	—	—	—	—	—	—	—	—	—	33	7	0	17.0103	Ventilating (Filtering and Humidification
951 Firing and Related Work	33	—	—	33	0	—	—	—	—	—	—	—	—	7	17.32	Stationary Energy Sources, Other
952 Generation, Transmission, and Distribution of Electric Light and Power	66	—	—	20	6	6	0	—	—	40	0	—	—	0	17.32	Stationary Energy Sources, Other
	127	—	—	47	0	—	—	27	0	53	0	—	—	0	17.3201	Electric Power Generating Plants
954 Filtration, Purification, and Distribution of Water	94	—	—	27	20	7	0	60	7	—	—	—	—	27	17.3202	Pumping Plants
955 Refuse and Sewage Disposal	647	7	0	120	27	140	20	200	20	113	20	7	0	73	•	
	100	—	—	7	0	40	20	40	13	13	0	—	—	20	17.3202	Pumping Plants
957 Transmission of Communication, Other	20	—	—	—	—	—	—	—	—	7	0	13	0	0	•	
	33	—	—	6	0	—	—	—	—	—	—	27	0	0	16.0106	Electronic Technology
Subtotal	1,440	7	0	273	53	193	40	607	47	313	20	147	7	127		
Amusement, Recreation, and Motion Picture Occupations, Other																
960 Motion Picture Projecting	66	6	0	7	0	—	—	13	0	29	7	13	0	7	•	
969 Miscellaneous Amusement, Recreation, and Motion Picture Work, Other	67	—	—	—	—	—	—	—	—	—	—	67	0	0	•	
Subtotal	133	6	0	7	0	—	—	13	0	27	7	80	0	7		

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number Occupational Group		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Occupations in Graphic Art Work																
970 Art Work, Brush, Spray, or Pen	20	—	—	—	—	7	7	—	—	13	0	—	—	0	*	
	0	—	—	—	—	—	—	0	7	—	—	—	—	0	04.01	Advertising Services
	140	13	0	7	0	—	—	—	—	—	—	120	33	80	17.07	Commercial Art Occupations
	20	—	—	—	—	—	—	—	—	7	7	13	0	7	17.0901	Photographic Lab. and Darkroom Occupations
971 Photoengraving	61	—	—	14	0	13	0	—	—	34	0	—	—	0	17.1904	Photoengraving
972 Lithography and Related Work	87	—	—	—	—	—	—	20	0	47	0	20	0	0	17.1901	Composition, Make-Up, and Typesetting
	27	—	—	—	—	—	—	7	0	7	0	13	0	0	17.1903	Lithography, Photography, and Platemaking
973 Hand Composition, Typesetting, and Related Work	1,465	113	13	206	27	107	13	160	13	679	67	200	33	167	17.1901	Composition, Make-Up and Typesetting
976 Darkroom Work, Other	361	—	—	—	—	7	0	13	0	201	20	140	40	53	17.0901	Photographic Lab. and Darkroom Occupations
977 Bookbinding and Related Work	301	7	20	7	0	—	—	13	0	200	20	74	20	66	*	
979 Graphic Art Work, Other	187	—	—	—	—	—	—	—	—	80	13	107	7	20	*	
	99	—	—	—	—	—	—	—	—	46	26	53	0	40	17.0901	Photographic Lab. and Darkroom Occupations
	65	—	—	13	0	6	0	20	0	13	0	13	0	0	17.19	Graphic Arts Occupations
	33	—	—	20	0	—	—	—	—	13	0	—	—	0	17.1901	Composition, Make-Up, and Typesetting
	27	—	—	—	—	—	—	—	—	—	—	27	0	0	17.1905	Silk Screen Making and Printing
Subtotal	2,893	133	33	267	27	140	20	233	20	1,340	153	780	133	433		
Total—Miscellaneous Occupations	52,207	2,573	867	4,307	527	5,887	1,286	7,799	1,393	12,661	2,800	18,980	8,093	19,641		

*No Vocational Instructional Training Program Listed.

TABLE 11
OCCUPATIONS WITH NO D.O.T. NUMBER

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
Job Titles		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Teacher's Aide	1,084	167	27	207	0	180	53	80	0	353	120	107	60	173	*	
Car Washer	394	86	0	87	13	7	0	47	7	60	27	327	153	213	*	
Pulmonary Technician	26	—	—	13	0	—	—	—	—	—	—	13	0	0	*	

OCCUPATIONAL DIVISION	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
Job Titles		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		H.E.W. Number	Program
Agriculture Stabilization and Conservation Service Employee	205	33	6	33	0	60	0	26	0	53	0	—	—	7	*	
Bottle Sorter	7	7	7	—	—	—	—	—	—	—	—	—	—	0	*	
City Dump Manager	7	—	—	—	—	—	—	—	—	7	0	—	—	0	*	
Drug Rehabilitation Technician	20	—	—	—	—	—	—	—	—	—	—	20	0	0	*	
Renal Dialysis Technician	20	—	—	—	—	—	—	—	—	—	—	20	20	14	*	
Total—Occupations with no D.O.T. Number	1,973	273	40	340	13	247	53	155	7	473	147	487	233	407		

*No Vocational Instructional Training Program Listed.

TABLE 12
PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Occupations in Architecture and Engineering	1,267	67	60	7	27	27	0	13	13	0	87	80	7	373	200	173	700	520	180
Occupations in Mathematics and Physical Sciences	147	13	0	13	—	—	—	67	67	0	7	7	0	47	7	40	13	13	0
Occupations in Life Sciences	67	—	—	—	—	—	—	27	20	7	—	—	—	20	13	7	20	7	12
Occupations in Social Sciences	54	—	—	—	—	—	—	—	—	—	—	—	—	47	20	27	7	7	0
Occupations in Medicine and Health	4,647	80	54	26	420	134	286	200	87	113	253	80	173	467	107	360	3,227	193	3,034
Occupations in Education	1,887	187	13	174	353	20	333	220	40	180	333	6	327	307	67	240	487	87	400
Occupations in Museum, Library, and Archival Sciences	47	—	—	—	7	0	7	7	7	0	7	7	0	13	6	7	13	7	6
Occupations in Law and Jurisprudence	379	7	7	0	20	13	7	—	—	—	13	7	6	113	67	46	226	93	133
Occupations in Religion and Theology	66	13	6	7	—	—	—	7	7	0	20	20	0	13	13	0	13	7	6
Occupations in Writing	127	—	—	—	7	7	0	—	—	—	—	—	—	113	27	86	7	0	7
Occupations in Art	187	53	53	0	—	—	—	7	7	0	7	7	0	67	40	27	53	47	6
Occupations in Entertainment and Recreation	421	27	0	27	—	—	—	13	0	13	27	0	27	7	0	7	347	14	333
Occupations in Administrative Specializations	1,280	7	7	0	27	7	20	13	0	13	13	7	6	500	153	347	720	474	246

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Managers and Officials, Other	1,746	33	13	20	153	53	100	73	27	46	147	93	54	820	247	573	520	213	307
Miscellaneous Professional, Technical, and Managerial Occupations	460	13	13	0	27	0	27	47	34	13	40	20	20	193	127	66	140	34	106
Total Need—Professional, Technical, and Managerial Occupations	12,782	500	226	274	1,041	261	780	694	309	385	954	334	620	3,100	1,094	2,006	6,493	1,716	4,777

TABLE 13
CLERICAL AND SALES OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Stenography, Typing, Filing, and Related Occupations	7,600	127	60	67	93	33	60	127	73	54	207	73	134	1,140	313	827	5,906	480	5,426
Computing and Account-Recording Occupations	4,833	73	27	46	153	53	100	200	73	127	280	113	167	1,607	267	1,340	2,520	340	2,180
Material and Production Recording Occupations	820	33	20	13	47	14	33	60	0	60	60	13	47	93	33	60	527	47	480
Information and Message Distribution Occupations	3,099	13	0	13	60	20	40	27	7	20	33	7	26	359	53	306	2,607	80	2,527
Miscellaneous Clerical Occupations	814	27	0	27	27	0	27	0	0	0	7	7	0	113	0	113	640	53	587
Sales Workers, Services	1,473	53	46	7	27	13	14	93	93	0	20	20	0	560	327	233	720	100	620
Sales Workers and Salespersons, Commodities	7,300	307	120	187	387	174	213	246	120	126	527	227	300	1,420	413	1,007	4,413	1,546	2,867
Merchandising Occupations, Except Sales Workers	2,499	53	27	26	373	73	300	100	20	80	373	60	313	467	47	420	1,133	80	1,053
Total Need—Clerical and Sales Occupations	28,438	686	300	386	1,167	380	787	853	386	467	1,507	520	987	5,759	1,453	4,306	18,466	2,726	15,740

TABLE 14
SERVICE OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Domestic Service Occupations	113	13	0	13	0	0	0	13	0	13	7	0	7	60	20	40	20	13	7
Food and Beverage Preparation and Service Occupations	13,079	873	180	693	893	126	767	1,227	140	1,087	1,333	207	1,126	4,480	727	3,753	4,273	313	3,960
Lodging and Related Service Occupations	1,399	86	40	46	153	27	126	60	47	13	120	47	73	120	0	120	860	0	860
Barbering, Cosmetology, and Related Service Occupations	460	100	73	27	27	13	14	40	40	0	67	20	47	153	100	53	73	26	47
Amusement and Recreation Service Occupations	346	13	0	13	20	7	13	33	0	33	133	0	133	120	13	107	27	20	7
Miscellaneous Personal Service Occupations	3,313	93	67	26	480	140	340	227	73	154	613	13	600	213	20	193	1,687	0	1,687
Apparel and Furnishings Service Occupations	480	33	13	20	27	7	20	80	14	66	33	26	7	40	7	33	267	7	260
Protective Service Occupations	1,661	0	0	0	87	33	54	67	33	34	7	0	7	73	13	60	1,427	0	1,427
Building and Related Service Occupations	1,695	47	14	33	127	14	113	87	54	33	67	14	53	647	73	574	720	93	627
Total Need—Service Occupations	22,546	1,258	387	871	1,814	367	1,447	1,834	401	1,433	2,380	327	2,053	5,906	973	4,933	9,354	472	8,882

TABLE 15
FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Plant Farming Occupations	4,425	1,893	993	900	133	33	100	273	233	40	260	60	200	740	420	320	1,126	213	913
Animal Farming Occupations	1,426	453	166	287	260	100	160	420	287	133	193	73	120	93	13	80	7	7	0
Miscellaneous Farming and Related Occupations	2,354	587	347	240	200	87	113	300	173	127	600	240	360	540	127	413	127	20	107
Fishery and Related Occupations	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Agricultural Service Occupations	253	7	7	0	53	7	46	133	0	133	33	0	33	27	0	27	0	0	0
Self-Employed Farmers	951	83	—	—	110	—	—	215	—	—	273	—	—	225	—	—	45	—	—
Total Need—Farming, Fishery, Forestry, and Related Occupations	9,409	3,023	1,513	1,427	756	227	419	1,341	693	433	1,359	373	713	1,625	560	840	1,305	240	1,020

TABLE 16
PROCESSING OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Occupations in Processing of Metal	33	13	13	0	—	—	—	—	—	—	—	—	—	20	0	20	—	—	—
Ore Refining and Foundry Occupations	180	—	—	—	—	—	—	—	—	—	100	0	100	80	0	80	—	—	—
Occupations in Processing of Food, Tobacco, and Related Products	2,966	407	306	101	213	40	173	1,033	886	147	387	33	354	313	27	286	613	7	606
Occupations in Processing of Paper and Related Materials	7	—	—	—	—	—	—	—	—	—	7	0	7	—	—	—	—	—	—
Occupations in Processing of Petroleum, Coal, Natural and Manufactured Gas, and Related Products	53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53	0	53
Occupations in Processing of Chemicals, Plastics, Synthetics, Rubber, Paint, and Related Products	166	—	—	—	—	—	—	13	13	0	33	7	26	73	7	66	47	47	0
Occupations in Processing of Wood and Wood Products	7	—	—	—	—	—	—	7	7	0	—	—	—	—	—	—	—	—	—
Occupations in Processing of Stone, Clay, Glass, and Related Products	840	—	—	—	—	—	—	—	—	—	73	20	53	747	340	407	20	0	20
Occupations in Processing of Leather, Textiles, and Related Products	20	—	—	—	—	—	—	—	—	—	13	0	13	—	—	—	7	0	7
Processing Occupations, Other	67	—	—	—	—	—	—	67	60	7	—	—	—	—	—	—	—	—	—
Total Need—Processing Occupations	4 339	420	319	101	213	40	173	1,120	966	154	613	60	553	1,233	374	859	740	54	686

TABLE 17
MACHINE TRADES OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Metal Machining Occupations	2,007	7	7	0	93	33	60	33	27	6	67	0	67	827	160	667	980	167	813
Metalworking Occupations, Other	473	—	—	—	—	—	—	—	—	—	27	0	27	173	0	173	273	113	160

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Mechanics and Machinery Repairers	2,514	167	147	20	240	127	113	187	120	67	420	233	187	727	373	354	773	200	573
Paperworking Occupations	360	—	—	—	—	—	—	—	—	—	27	13	14	180	7	173	153	0	153
Printing Occupations	727	13	13	0	7	0	7	—	—	—	40	27	13	200	80	120	467	7	460
Wood Machining Occupations	179	40	20	20	13	13	0	13	13	0	—	—	—	40	40	0	73	46	27
Occupations in Machining Stone, Clay, Glass, and Related Materials	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Textile Occupations	320	—	—	—	—	—	—	—	—	—	193	7	186	127	107	20	—	—	—
Machine Trades Occupations, Other	60	—	—	—	—	—	—	—	—	—	—	—	—	53	20	33	7	0	7
Total Need—Machine Trades Occupations	6,640	227	187	40	353	173	180	233	160	73	774	280	494	2,327	787	1,540	2,726	533	2,193

TABLE 18
BENCH WORK OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason fo. Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Occupations in Fabrication, Assembly, and Repair of Metal Products, Other	474	—	—	—	—	—	—	—	—	—	—	—	—	107	33	74	367	187	180
Occupations in Fabrication and Repair of Scientific and Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products	120	—	—	—	7	0	7	—	—	—	13	13	0	13	13	0	87	20	67
Occupations in Assembly and Repair of Electrical Equipment	273	47	7	40	53	33	20	7	0	7	20	20	0	33	27	6	113	27	86
Occupations in Fabrication and Repair of Products Made from Assorted Materials	299	—	—	—	33	33	0	53	53	0	27	14	13	13	13	0	173	6	167
Painting, Decorating, and Related Occupations	67	27	27	0	7	0	7	13	13	0	13	0	13	—	—	—	7	7	0

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Occupations in Fabrication and Repair of Plastics, Synthetics, Rubber, and Related Products	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47	47	0
Occupations in Fabrication and Repair of Wood Products	160	—	—	—	20	13	7	—	—	—	—	—	—	—	—	—	140	60	80
Occupations in Fabrication and Repair of Sand, Stone, Clay and Glass Products	60	13	6	7	—	—	—	27	0	27	—	—	—	—	—	—	20	7	13
Occupations in Fabrication and Repair of Textile, Leather, and Related Products	853	—	—	—	—	—	—	—	—	—	73	20	53	227	187	40	553	100	453
Bench Work Occupations, Other	267	—	—	—	—	—	—	—	—	—	94	60	34	—	—	—	173	0	173
Total Need—Bench Work Occupations	2,620	87	40	47	120	79	41	100	66	34	240	127	113	393	273	120	1,680	461	1,219

TABLE 19
STRUCTURAL WORK OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Occupations in Metal Fabricating, Other	2,126	240	200	40	120	67	53	20	20	0	246	153	93	1,220	180	1,040	280	73	207
Welders, Flame Cutters, and Related Occupations	931	160	153	7	26	6	20	113	113	0	173	133	40	73	7	66	386	160	226
Electrical Assembling, Installing, and Repairing Occupations	1,531	66	53	13	86	53	33	39	13	26	120	34	86	120	113	7	1,100	461	639
Painting, Plastering, Waterproofing, Cementing, and Related Occupation	1,133	73	27	46	80	13	67	33	26	7	67	67	0	300	153	147	580	107	473
Excavating, Grading, Paving and Related Occupations	1,991	7	0	7	126	66	60	113	66	47	986	159	827	393	340	53	366	39	327
Construction Occupations, Other	6,626	300	100	200	460	253	207	207	107	100	593	213	380	2,140	1,373	767	2,926	613	2,313
Structural Work Occupations, Other	427	7	7	0	47	0	47	100	53	47	—	—	—	107	27	80	166	13	153
Total Need—Structural Work Occupations	14,765	853	540	313	945	458	487	625	398	227	2,185	759	1,426	4,353	2,193	2,160	5,804	1,466	4,338

TABLE 20
MISCELLANEOUS OCCUPATIONS

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
Motor Freight Occupations	4,060	427	173	254	200	66	134	247	133	114	473	173	300	813	413	400	1,920	147	1,773
Transportation Occupations, Other	7,067	187	33	154	127	60	67	413	100	313	513	73	440	600	113	487	5,227	53	5,174
Packaging and Materials Handling Occupations	3,073	120	47	73	120	87	33	553	233	320	280	93	187	1,207	580	627	793	140	653
Occupations in Extraction of Minerals	186	100	0	100	—	—	—	13	13	0	60	60	0	—	—	—	13	0	13
Occupations in Logging	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Occupations in Production and Distribution of Utilities	167	—	—	—	53	47	6	40	13	27	47	13	34	20	20	0	7	7	0
Amusement, Recreation, and Motion Picture Occupations, Other	7	—	—	—	—	—	—	—	—	—	—	—	—	7	0	7	—	—	—
Occupations in Graphic Art Work	386	33	7	26	27	0	27	20	7	13	20	13	7	153	40	113	133	13	120
Total Need—Miscellaneous Occupations	14,986	867	260	607	527	260	267	1,286	499	787	1,393	425	968	2,800	1,166	1,634	8,093	360	7,733

TABLE 21
OCCUPATIONS WITH NO D.O.T. NUMBER

OCCUPATIONAL DIVISIONS	STATE	AREA I			AREA II			AREA III			AREA IV			AREA V			AREA VI		
	Projected Total State Need	Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need		Projected Need Next 12 Months	Reason for Need	
			Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover		Expansion	Turnover
No. D.O.T. Number	493	40	7	33	13	0	13	53	33	20	7	7	0	147	87	60	233	20	213
Total Need—Occupations with No D.O.T. Number	493	40	7	33	13	0	13	53	33	20	7	7	0	147	87	60	233	20	213

PROJECTIONS BY VOCATIONAL INSTRUCTIONAL TRAINING PROGRAMS

Tables 22 through 29 show data by the seven major areas of Vocational Education and lists data only for those vocational instructional training programs for which job titles have been identified in Section One of this study.

Grouping of Vocational Instructional Training Programs enables the vocational program planner to identify instructional components common to the seven major areas of Vocational Education.

Several Vocational Instructional Training Programs may overlap in preparing persons for employment in an Occupational Group, thus, making it necessary for the planner to become familiar with the detailed descriptions of both occupational titles and vocational instructional training programs.

The data for each vocational instructional training program are a composite of 1973, 1974, and 1975 job titles with corresponding vocational instructional training programs as identified in *Vocational Education and Occupations*. Only the totals for projected employment, projected need next 12 months, and projected need following 2 years have been presented in this section. Reason for need related to expansion and turnover can be identified for vocational programs, by locating the major division that includes the desired program in section one (Tables 2 through 11) and checking the reason for need in section two (Tables 12 through 21) of this study.

Table 30 lists all other occupations for which there are no Vocational Instructional Training Programs and Other Occupations for which there are no D.O.T. Numbers nor Vocational Instructional Training Programs.

TABLE 22
SUMMARY BY MAJOR VOCATIONAL TECHNICAL AREA

	Now Employed		Projected Future Needs			
			Projected Next 12 Months		Projected Following 2 Years	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
Agricultural Occupations	99,497[a]	19.1	12,282[b]	13.5	10,862[b]	10.3
Distributive Occupations	124,206	23.8	21,107	23.2	27,413	26.1
Health Occupations	35,343	6.8	7,171	7.9	9,580	9.1
Home Economics Occupations	6,867	1.3	1,625	1.8	2,233	2.1
Office Occupations	104,684	20.1	16,373	18.0	14,913	14.2
Technology Occupations	2,460	.5	455	.5	587	.6
Trade and Industrial Occupations	147,998	28.4	31,859	35.1	39,453	37.6
Totals	521,055		90,872		105,041	

[a]Includes self-employed farmers, Nebraska Department of Agriculture, *Nebraska Agricultural Statistics*, loc. cit.

[b]Douglas Generesaux, loc. cit.

TABLE 23
PROJECTIONS FOR AGRICULTURAL OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
01.0100 Agricultural Production	18,206	2,054	1,747
01.0101 Animal Science	7,699	1,412	1,313
01.0102 Plant Science	2,152	2,714	573
01.0104 Farm Business Management	1,053	52	6
01 0200 Agricultural Supplies/Services	233	19	7
01.0201 Agricultural Chemicals	108	34	60
01.0202 Feeds	3,773	492	486
01.0203 Seeds	—	—	—
01.0299 Agricultural Supplies/Services, Other	621	87	47
01.0301 Agricultural Power & Machinery	3,535	947	893
01.0304 Water Management	147	147	27

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
01.0400 Agricultural Products (Processing, Inspection and Marketing)	7	0	0
01.0401 Food Products	6,655	1,940	2,460
01.0402 Nonfood Products	—	—	—
01.0501 Arboriculture	40	33	40
01.0502 Floriculture	173	54	67
01.0504 Landscaping	1,141	360	307
01.0505 Nursery Operation and Management	899	685	567
01.0506 Turf Management	168	187	200
01.0600 Agricultural Resources (Conservation, Utilization & Services)	—	—	—
01.0601 Forests	—	—	—
01.0602 Recreation	107	13	0
01.0603 Soil	307	20	27
01.0604 Wildlife (Including Game Farms and Hunting Areas)	—	—	—
01.0605 Water	—	—	—
01.0607 Fish (Including Farms & Hatcheries)	13	0	0
01.0703 Logging (Harvesting & Transporting)	—	—	—
01.0706 Special Products	—	—	—
01.9900 Agriculture, Other	340	81	133
Self-Employed	52,120[a]	951[b]	1,902[b]
TOTAL	99,497	12,282	10,862

[a] Nebraska Department of Agriculture, *Nebraska Agricultural Statistics*, loc. cit.

[b] Douglas, Genereaux, loc. cit.

TABLE 24
PROJECTIONS FOR DISTRIBUTIVE OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
04.0100 Advertising Services	1,872	155	146
04.0200 Apparel and Accessories	6,672	1,108	1,787
04.0300 Automotive	7,318	823	867
04.0400 Finance and Credit	5,029	451	660
04.0500 Floristry	1,021	148	107
04.0600 Food Distribution	11,816	1,766	2,147
04.0700 Food Services	3,340	348	687
04.0800 General Merchandise	26,039	2,759	4,080
04.0900 Hardware, Building Materials, Farm & Garden Supplies and Equipment	7,034	815	980
04.1000 Home Furnishings	2,849	427	527
04.1100 Hotel and Lodging	1,450	61	107
04.1200 Industrial Marketing	8,205	646	713
04.1300 Insurance	7,501	645	740
04.1400 International Trade	—	—	—
04.1500 Personal Services	1,180	93	120

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
04.1600 Petroleum	7,188	1,546	1,033
04.1700 Real Estate	5,708	848	1,253
04.1800 Recreation & Tourism	2,225	336	440
04.1900 Transportation	7,862	5,358	10,073
04.2000 Retail Trade, Other	8,072	2,674	780
04.3100 Wholesale Trade, Other	1,340	80	106
04.9900 Distributive Education, Other	485	20	60
TOTAL	124,206	21,107	27,413

TABLE 25
PROJECTIONS FOR HEALTH OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
07.0101 Dental Assisting	1,360	173	133
07.0102 Dental Hygiene (Associate Degree)	193	59	33
07.0103 Dental Laboratory Technology	280	13	27
07.0201 Cytology (Cytotechnology)	40	0	0
07.0202 Histology	67	0	0
07.0203 Medical Laboratory Assisting	2,853	447	434
07.0204 Hematology	87	7	7
07.0301 Nursing (Associate Degree)	10,041	2,039	2,953
07.0302 Practical (Vocational) Nursing	4,351	907	1,253
07.0303 Nursing Assistance (Aid)	11,120	2,940	4,173
07.0304 Psychiatric Aid	1,540	153	0
07.0305 Surgical Technician (Operating Room Technician)	114	7	0
07.0306 Obstetrical Technician	—	—	—
07.0307 Home Health Aid	7	0	0
07.0401 Occupational Therapy	61	0	7
07.0402 Physical Therapy	134	33	33
07.0403 Prosthetics	20	0	0
07.0404 Orthotics	126	13	27
07.0501 Radiologic Technology (X-Ray)	987	147	193
07.0503 Nuclear Medical Technology	73	0	7
07.0601 Opthalmic Dispensing	221	13	40
07.0602 Orthoptics	33	0	0
07.0702 Radiological Health Technician	—	—	—
07.0703 Sanitarian Assistant	—	—	—
07.0901 Electroencephalography Technician	54	7	7
07.0902 Electrocardiography Technician	100	19	13
07.0903 Inhalation Therapy	220	47	33
07.0904 Medical Assistant (Assistant In Physician's Office)	572	46	47
07.0905 Central Supply Technician	481	81	113
07.0907 Medical Emergency Technician	87	0	0
07.0909 Mortuary Science	121	20	47
TOTAL	35,343	7,171	9,580

TABLE 26
PROJECTIONS FOR HOME ECONOMICS OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
09.0201 Care and Guidance of Children	341	72	126
09.0202 Clothing Management, Production and Service	27	0	0
09.0203 Food Management, Production and Services	955	53	80
09.0204 Home Furnishings, Equipment and Services	106	20	20
09.0205 Institutional and Home Management and and Supporting Services	5,438	1,480	2,007
TOTAL	6,867	1,625	2,233

TABLE 27
PROJECTIONS FOR OFFICE OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
14.0101 Accountants	353	20	53
14.0102 Bookkeepers	13,580	792	1,000
14.0103 Cashiers	880	127	120
14.0104 Machine Operators: Billing, Bookkeeping, and Computing	581	20	66
14.0105 Tellers	2,507	339	373
14.0199 Accounting and Computing Occupations, Other	34	0	0
14.0200 Business Data Processing Systems Occupations	127	0	47
14.0201 Computers and Console Operators	1,941	207	193
14.0202 Peripheral Equipment Operators	1,827	280	473
14.0203 Programmers	467	34	20
14.0204 Systems Analysts	174	20	7
14.0301 Duplicating Machine Operators	106	40	7
14.0302 File Clerks	2,305	1,105	1,067
14.0303 General Office Clerks	16,637	2,609	4,247
14.0399 Filing, Office Machines, and General Office Clerical Occupations, Other	11,286	3,242	613
14.0401 Communication Systems Clerks and Operators	3,922	2,453	287
14.0402 Correspondence Clerks	73	7	13
14.0403 Mail and Postal Clerks	4,506	114	213
14.0404 Mail-Preparing and Mail-Handling Machine Operators	20	0	0
14.0405 Messengers and Office Boys and Girls	153	52	67
14.0406 Receptionists and Information Clerks	4,912	426	400
14.0499 Information Communications Occupations, Other	638	54	27
14.0501 Planning and Production Clerks	326	6	27
14.0502 Quality Control Clerks	47	0	0
14.0503 Shipping and Receiving Clerks	1,533	246	327
14.0504 Stock and Inventory Clerks	361	20	60
14.0505 Traffic, Rate and Transportation Clerks	114	0	0
14.0599 Materials Support Occupations (Transporting, Storing, Recording) Other	34	0	0
14.0601 Educational Assistants and Training Specialists	27	0	0

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
14.0602 Interviewers & Test Technicians	408	307	147
14.0603 Personnel Assistants	634	75	113
14.0699 Personnel, Training, and Related Occupations, Other	13	0	0
14.0701 Executive Secretary	526	13	13
14.0702 Secretaries	20,675	2,307	3,160
14.0703 Stenographers	873	119	333
14.0801 Administrative Assistants	825	72	40
14.0802 Budget Management Analysts	388	33	7
14.0804 Data-Methods and System-Procedures Analysts	—	—	—
14.0805 Office Managers and Chief Clerks	4,486	287	220
14.0899 Supervisory and Administrative Management Occupations, Other	373	53	60
14.0901 Clerk-Typists	1,278	179	180
14.0902 Typists	3,307	587	746
14.9900 Office Occupations, Other	1,427	128	187
TOTAL	104,684	16,373	14,913

TABLE 28
PROJECTIONS FOR TECHNOLOGY OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
16.0101 Aeronautical Technology	—	—	—
16.0103 Architectural Technology (Building Construction)	—	—	—
16.0104 Automotive Technology	—	—	—
16.0105 Chemical Technology	333	60	60
16.0106 Civil Technology	27	0	0
16.0107 Electrical Technology	67	14	0
16.0108 Electronic Technology	273	35	27
16.0109 Electromechanical Technology	—	—	—
16.0111 Industrial Technology	60	13	27
16.0112 Instrumentation Technology	54	20	20
16.0113 Mechanical Technology	767	200	286
16.0114 Metallurgical Technology	—	—	—
16.0115 Nuclear Technology	—	—	—
16.0116 Petroleum Technology	607	100	133
16.0117 Scientific Data Processing	—	—	—
16.0199 Engineering-Related Technology, Other	—	—	—
16.0200 Agricultural-Related Technology	33	0	7
16.0203 Food Processing Technology	73	0	7
16.0499 Office-Related Technology, Other	13	0	0
16.0601 Commercial Pilot Training	120	7	13
16.0602 Fire and Fire Safety Technology	—	—	—
16.0699 Miscellaneous Technical Education, Other	33	6	7
TOTAL	2,460	455	587

TABLE 29
PROJECTIONS FOR TRADE AND INDUSTRIAL OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.0100 Air Conditioning	54	14	13
17.0101 Cooling	354	65	60
17.0102 Heating	340	21	40
17.0103 Ventilating (Filtering and Humidification)	33	7	0
17.0200 Appliance Repair	293	33	33
17.0201 Electrical Appliances	473	140	193
17.0202 Gas Appliances	480	54	137
17.0300 Automotive Services	193	66	120
17.0301 Body and Fender	1,760	273	427
17.0302 Mechanics	7,639	1,160	1,573
17.0303 Specialization, Other	312	61	107
17.0401 Aircraft Maintenance	306	60	53
17.0402 Aircraft Operations	7	0	0
17.0403 Ground Operations	60	7	0
17.0600 Business Machine Maintenance	333	20	33
17.0700 Commercial Art Occupations	327	40	93
17.0701 Interior Decorating	293	34	27
17.0702 Window Display	—	—	—
17.0703 Product Deisgn	80	46	207
17.0800 Commercial Fishery Occupations	—	—	—
17.0801 Seamanship	—	—	—
17.0802 Ship and Boat Operation and Maintenance	—	—	—
17.0899 Commercial Fishery Occupations, Other	—	—	—
17.0901 Photographic Laboratory and Darkroom Occupations	480	93	100
17.1000 Construction and Maintenance Trades	2,812	347	427
17.1001 Carpentry	10,445	2,517	2,820
17.1002 Electricity	2,399	319	247
17.1003 Heavy Equipment	7,881	1,617	1,567
17.1004 Masonry	1,399	299	353
17.1005 Painting and Decorating	840	273	267
17.1006 Plastering	220	13	27
17.1007 Plumbing and Pipefitting	2,728	767	940
17.1008 Dry-Wall Installation	746	180	240
17.1009 Glazing	347	54	0
17.1010 Roofing	910	267	440
17.1099 Construction and Maintenance Trades, Other	5,173	1,326	1,180
17.1100 Custodial Services	10,294	1,667	2,153
17.1200 Diesel Mechanic	425	79	107
17.1300 Drafting	2,738	434	1,040
17.1400 Electrical Occupations	3,413	421	0
17.1401 Industrial Electrician	126	0	13
17.1402 Lineman	2,095	638	147
17.1403 Motor Repairman	198	14	27
17.1500 Electronics Occupations	233	53	53
17.1501 Communications	314	7	20
17.1502 Industrial Electronics	93	0	0
17.1503 Radio/Television	535	92	73
17.1600 Fabric Maintenance Services	486	67	100
17.1601 Drycleaning	208	26	7

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.1602 Laundering	1,674	300	373
17.1699 Fabric Maintenance Services, Other	7	0	0
17.1900 Graphic Arts Occupations	132	0	0
17.1901 Composition, Makeup, and Typesetting	1,771	199	187
17.1902 Printing Press Occupations	3,000	574	960
17.1903 Lithography, Photography and Platemaking	27	0	0
17.1904 Photoengraving	61	0	0
17.1905 Silk Screen Making and Printing	27	0	0
17.1906 Bookbinding	261	53	107
17.1999 Graphic Arts, Other	14	0	0
17.2001 Installation, Operation, and Maintenance of Reactors	—	—	—
17.2002 Radiography	13	0	0
17.2003 Industrial Uses of Radioisotopes	—	—	—
17.2099 Industrial Atomic Energy, Other	—	—	—
17.2100 Instrument Maintenance and Repair	—	—	—
17.2101 Instruments (Other Than Watches and Clocks)	446	74	13
17.2102 Watchmaking and Repair	86	13	0
17.2200 Maritime Occupations	20	0	0
17.2300 Metalworking	—	—	—
17.2301 Foundry	1,334	180	80
17.2302 Machine Shop	5,459	1,674	2,160
17.2303 Machine Tool Operation	627	40	33
17.2304 Metal Trades, Combined	4,287	1,267	2,113
17.2305 Sheet Metal	3,240	314	260
17.2306 Welding and Cutting	4,266	931	1,133
17.2307 Tool and Die Making	1,587	319	547
17.2308 Die Sinking	—	—	—
17.2309 Metal Patternmaking	—	—	—
17.2399 Metalworking, Other	1,719	53	53
17.2400 Metallurgy	20	0	0
17.2601 Barbering	613	73	40
17.2602 Cosmetology	2,846	354	367
17.2699 Personal Services, Other	27	13	20
17.2700 Plastics Occupations	140	14	13
17.2801 Fireman Training	—	—	—
17.2802 Law Enforcement Training	880	140	160
17.2899 Public Service Occupation, Other	27	0	0
17.2900 Quantity Food Occupations	—	—	—
17.2901 Baker	1,421	361	873
17.2902 Cook/Chef	14,205	2,458	3,687
17.2903 Meat Cutter	1,239	220	373
17.2904 Waiter/Waitress	18,742	7,013	8,713
17.2999 Quantity Food Occupations, Other	220	220	220
17.3000 Refrigeration	94	7	0
17.3100 Small Engine Repair, Internal Combustion	234	73	80
17.3200 Stationary Energy Sources Occupations	286	6	7
17.3201 Electric Power Generating Plants	127	0	0
17.3202 Pumping Plants	247	67	47
17.3300 Textile Production and Fabrication	—	—	—
17.3301 Dressmaking	53	7	0
17.3302 Tailoring	248	19	40

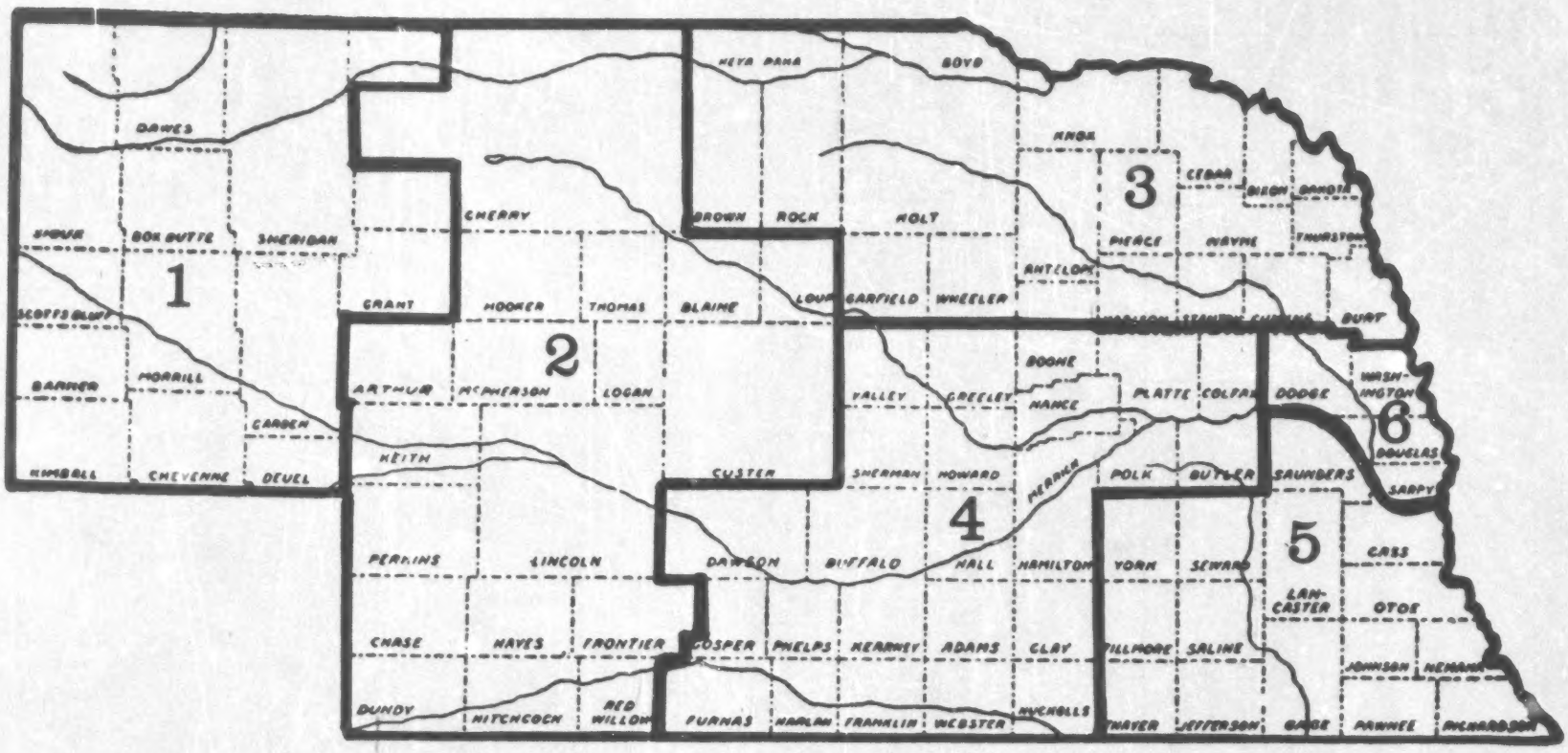
INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.3399 Textile Production and Fabrication, Other	2,927	487	413
17.3400 Leatherworking	287	133	0
17.3401 Shoe Manufacturing	—	—	—
17.3402 Shoe Repair	73	7	27
17.3500 Upholstering	627	120	453
17.3601 Millwork and Cabinet Making	1,409	379	467
17.3699 Woodworking, Other	73	26	0
TOTAL	147,998	31,859	39,453

TABLE 30
PROJECTIONS FOR ALL OTHER OCCUPATIONS

	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
* Total of all Other Occupations for which there were no Vocational Instructional Training Programs	139,866	25,633	37,765
**Total of all Other Occupations for which there were no D.O.T. Numbers nor Vocational Instructional Training Programs	1,973	493	407
Total	141,839	26,126	38,172

* Occupational Divisions identified by * in Section 1 of this Report.
**Individual job titles identified in Table 11 of Section 1 of this Report.

APPENDIX A
TECHNICAL COMMUNITY COLLEGE AREAS



1. WESTERN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
2. MID-PLAINS NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
3. NORTHEAST NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
4. CENTRAL NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
5. SOUTHEASTERN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
6. METROPOLITAN TECHNICAL COMMUNITY COLLEGE AREA